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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI JANUARY 1942 No. 1

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GENERAL SUMMARY

January was ushered in by rain, snow, high winds and a cold wave on the 1st, and for the next nine days severe cold weather prevailed. On the 11th there was a general moderation and for the remainder of the month an unusually mild, open type of winter weather prevailed, except another spell of rain, snow, high winds, and falling temperatures set in on the 30th. Except for the first ten days, the month was quite favorable for all outdoor activities and for live stock.

Average temperatures were above normal in the Northern and Southwestern Divisions but were subnormal in the Southeastern Division but for the State as a whole they averaged slightly in excess of normal. Between the 1st and 11th the temperature did not rise above freezing, while minimum readings were well below zero on several nights during this period and reached an extreme low of 24° below zero at two stations in the extreme southern portion of the State. It is rather unusual for the minimum temperature for the State to occur in the southern instead of the northern portion, and was due to a rather heavy snow cover and very favorable conditions for excessive radiation. The coldest days were the 3d, 8th, and 10th, and the warmest were the 23d and 24th.

Precipitation was mostly light to moderate, except in the Southeastern Division where there was only a slight deficiency. It was the driest January since 1940 and 1.75 inches drier than last January. Principal precipitation periods were 1st-2d, 7-8th, 17-18th, 26-27th, and 30th-31st. Some rather heavy rains occurred in the southern portions of the State during the last two periods, 2.25 inches falling in a twenty-four hour period on the 30th at Birch Tree(near).

Snowfall this month was very irregularly distributed and for the State as a whole was deficient, compared with the normal fall for January. However, some extreme northwestern and some southeastern counties had rather heavy snowfall, occurring on the 1st in the northern counties and on the 3d-4th and the 7th in the southeastern counties.

The period of mild, open weather after the 10th, started growth of wheat and grass, and these were showing green the latter part of the month. Preparation for spring seeding was underway, and some plowing was accomplished in southern sections where the ground was dry enough. There was severe heaving of the ground during the extreme cold weather the first ten days and this together with the lack of adequate snow cover over much of the State was cause for considerable apprehension for the winter wheat crop. In the northwestern counties there was enough snow covering the ground to afford protection for wheat, but in other sections considerable damage will likely result. Water from melting of the snowfall this month was practically all absorbed by the ground, further adding to the subsoil moisture reserve, which although still deficient, has been greatly relieved the past four months. The change to colder weather the last two days of the month was very timely, to prevent premature swelling of fruit buds. It is very likely that there will be severe damage to fruits in the southern portions of the State because of the extreme low temperatures prevailing the first ten days this month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 31.1°, or 0.4° warmer than normal. The highest monthly mean was 35.4° at Koshkonong, and the lowest monthly mean was 24.6° at Maryville. The highest recorded was 74° at Ozark Beach on the 23d and at Doniphan and Greenville on

(Continued on page 3)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia.....	30.17*	30 74*	7	29.50*	1	8.1	24	nw.	9	83*	61*	63*	70
Kan. C. Airport.	30.18	30.79	7	29.65	1	10.9	32	nw	31	79	56	61	74
St. Joseph.....	30.19*	30.79*	7	29.67*	29	9.0	30	nw.	31	94*	70*	83*	72
St. Louis.	30.16*	30.71*	7	29.40*	30	12.5	31	nw.	31	70	57	54	62
Springfield	30.18	30.68	7	29.47	30	12.1	33	w.	1	85	62	68	63
Cairo, Ill.....	30.18§	30.67	10	29.40	30	9.0	30	sw.	1	78	63	..	59
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888.....	21.5	74	−32	2.14	1.76	2.20	2.47	....	6	..	..	..
1889.....	31.8	69	− 2	2.53	1.65	2.48	3.45	....	6	..	..	..
1890.....	33 8	81	−19	5.18	3.23	4.18	8.14	....	9	..	..	..
1891.....	34.1	74	− 1	1.63	1.36	0.98	2.56	4.3	6	..	..	..
1892.....	24.0	67	−31	1.87	1.80	1.87	1.93	....	4	14	8	9
1893.....	22.5	66	−14	0.45	0.51	0.41	0.42	2.4	3	9	11	11
1894.....	31.4	77	−35	2.48	1.90	2.95	2.59	2.7	5	13	9	9
1895.....	24.7	78	−22	1.66	0.97	1.44	2.57	9.4	5	14	8	9
1896.....	32.9	71	− 9	1.19	1.05	0.85	1.67	3.1	4	10	7	14
1897.....	28.4	72	−16	5.24	4.18	5.50	6.04	4.0	8	12	7	12
1898.....	34.3	75	−10	4.11	4.02	3.84	4.48	8.4	9	11	8	12
1899.....	30.2	70	−21	1.93	0.62	1.20	3.96	4.0	6	12	8	11
1900.....	34.5	77	− 9	1.28	0.98	1.18	1.67	0.2	4	14	7	10
1901.....	35.0	72	−11	1.31	1.21	1.45	1.27	0.8	4	17	7	7
1902.....	30.1	72	−17	1.36	1.07	0.95	2.05	6.9	5	16	7	8
1903.....	31.4	73	−11	1.49	1.07	1.41	1.98	5.0	6	13	6	12
1904.....	27.0	66	−23	3.01	2.64	2.74	3.66	7.4	8	14	6	11
1905.....	22.3	72	−19	2.04	1.06	2.10	2.95	6.8	8	14	6	11
1906.....	35.6	77	− 8	3.44	2.20	3.07	5.04	9.2	6	14	5	12
1907.....	34.3	79	− 5	5.04	4.14	5.28	5.69	2.8	12	7	6	18
1908.....	34.4	68	−10	1.67	0.50	1.47	3.04	3.6	5	19	5	7
1909.....	33.7	83	−20	2.36	2.01	1.70	3.36	6.5	7	6	7	18
1910.....	32.3	78	−24	1.82	1.96	1.73	1.78	3.5	5	13	6	12
1911.....	34.6	78	−19	0.84	1.57	0.32	0.64	0.7	5	8	7	16
1912.....	20.0	70	−36	1.22	0.35	0.79	2.51	6.5	4	14	7	10
1913.....	33.1	74	−12	4.18	1.53	2.63	8.38	2.6	8	13	6	12
1914.....	38.1	78	− 1	1.45	0.96	1.43	1.95	1.0	4	12	7	12
1915.....	29.1	76	−24	2.88	2.29	2.48	3.86	5.4	8	12	5	14
1916.....	31.6	72	−24	7.66	5.23	8.32	9.42	3.4	12	9	4	18
1917.....	32.9	76	−10	1.53	0.75	1.05	2.79	2.3	5	15	7	9
1918.....	16.4	67	−24	1.72	1.08	1.45	2.63	16.6	7	12	7	12
1919.....	34.0	70	−23	0.44	0.14	0.32	0.85	1.4	2	20	5	6
1920.....	28.6	72	− 5	1.72	0.52	1.39	3.25	5.7	5	15	5	11
1921.....	37.1	74	− 1	1.88	1.42	2.07	2.15	5.4	6	10	7	14
1922.....	29.5	66	− 6	1.33	1.08	1.41	1.50	3.9	5	14	5	12
1923.....	39.2	75	3	2.58	0.77	2.21	4.77	0.6	6	12	7	12
1924.....	24.9	68	−25	1.59	1.08	1.64	2.05	5.7	7	14	5	12
1925.....	29.7	65	−15	1.05	0.41	1.29	1.44	4.7	4	15	7	9
1926.....	32.7	70	−20	1.93	1.28	1.91	2.60	4.2	6	11	7	13
1927.....	30.8	73	−24	3.05	0.90	2.43	5.81	3.6	6	13	6	12
1928.....	33.3	77	−18	0.97	0.31	0.81	1.80	0.5	3	16	7	8
1929.....	25.1	72	−13	3.51	2.77	2.79	4.96	6.8	8	11	6	14
1930.....	20.8	73	−31	4.62	2.38	4.18	7.30	13.0	10	12	5	14
1931.....	36.0	76	− 5	0.74	0.39	0.65	1.18	2.0	4	16	6	9
1932.....	36.4	73	− 7	3.56	1.78	3:23	5.66	1.0	9	10	7	14
1933.....	41.4	72	8	2.56	1.73	2.62	3.34	0.5	6	14	8	9
1934.....	36.1	71	− 6	1.34	0.88	1.33	1.82	1.5	5	13	6	12
1935.....	33.0	71	−12	2.57	1.47	2.44	3.81	0.5	7	12	6	13
1936.....	24.4	74	−25	1.01	1.69	0.56	0.77	7 6	7	11	7	13
1937.....	28.5	70	−15	6.38	3.66	5.20	10.28	4.3	11	9	5	17
1938.....	33.1	75	− 9	2.93	2.53	3.00	3.27	0.3	6	13	6	12
1939.....	39.0	74	− 5	2.74	1.40	2.25	4.57	8.1	9	12	8	11
1940.....	15.5	55	−28	1.35	1.21	1.19	1.66	12.4	8	13	7	11
1941.....	34.7	70	0	3.41	3.59	3.70	2.93	4.4	11	9	5	17
1942.....	31.1	74	−24	1.66	0.57	1.30	3.10	3.4	5	18	6	7
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period.....	30.7	83	−36	2.39	1.63	2.17	3.38	4.5	6	13	6	12

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Climatological Data for January 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	26.8	.....	59	23†	−18	3	13	0.91	+0.08	0.85	1	7.5	2	24	3	4	w.	Curtis E. Grace
Bethany	Harrison	916	47	26.8	+ 2.0	60	26	−17	10	49	0.20	−0.99	0.20	1	2.0	1	22	4	5	nw.	A. S. Cumming
Brookfield	Linn	767	1	28.6	.....	60	23†	−10	10	1	0.40	.....	0.35	1	T.	2	20	5	6	nw.	E. W. Patrick
Brunswick	Chariton	652	61	28.8	+ 2.1	63	23	− 6	5	63	0.40	−1.19	0.26	1	2.0	4	22	3	6	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	28.0	.....	60	23	−10	10	12	0.60	−1.34	0.30	1	1.0	6	18	8	5	nw.	Lockmaster
Chillicothe	Livingston	779	33	27.8	+ 3.4	63	23	−11	4	36	0.34	−1.14	0.21	17	1.2¶	3	24	3	4	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	30.1	+ 2.0	62	23	−10	10	33	0.32	−1.40	0.21	17	1.1	2	18	7	6	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	31.1	+ 0.2	69	23	− 6	10	52	0.38	−1.54	0.23	30	2.0	2	14	10	7	w.	U. S. Weather Bureau
Conception	Nodaway	980	53	26.2	+ 1.5	58	26	−15	4	58	0.22	−0.57	0.22	1	4.0	1	19	6	6	nw.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	30.6¶	− 1.0	..	..	− 7	8†	11	1.46	−0.71	....	.....	5.0¶	3	..	..	..	.....	Ray E. Mills
Fayette	Howard	760	62	30.3	+ 3.3	65	23	− 9	10	59	0.71	−1.08	0.25	1	2.2	5	19	3	9	w.	Irvin E. Schnell
Fulton	Callaway	818	54	....	.....	..	..	....	..	50	....	.....	....	.....	....	..	..	..	..	.....	J. Roy Jackson
Grant City	Worth	1,134	38	25.8	+ 1.0	60	26	−16	10	50	0.44	−0.53	0.44	1	12.0	1	17	7	7	sw.	Howard Rybolt
Hannibal	Marion	759	50	28.3	+ 1.2	62	23	− 9	10	58	0.26	−1.46	0.19	30	2.2	2	17	2	12	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	31.5	+ 3.3	66	23	− 6	4	53	0.14	−1.05	0.20	31-1	0.6	2	14	9	8	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	32.0	.....	66	23	− 5	4	4	0.15	.....	0.12	1	0.9	2	20	4	7	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	28.2	+ 2.2	60	23	−11	4	54	0.33	−0.89	0.28	1	2.0	2	23	4	4	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	27.4	+ 2.6	63	26	−12	4†	60	0.33	−1.19	0.28	1	1.5	3	19	8	4	nw.	Howard Coons
Lawson	Ray	1,070	4	29.2	.....	64	23	− 9	4†	4	0.19	.....	0.14	1	0.3	3	14	12	5	nw.	Elmer E. Lamb
Louisiana	Pike	469	48	28.6	+ 0.5	63	23	− 8	10†	61	0.90	−1.25	0.80	31	3.1	2	21	4	6	w.	Stark Bro's Nurseries
Macon	Macon	875	43	28.2	+ 0.7	63	26	− 9	10	49	0.56	−1.14	0.25¶	31	3.0	4	16	9	6	nw.	John W. Atwell
Maryville	Nodaway	1,169	52	24.6	+ 1.7	56	25	−17	8	48	0.87	−0.13	0.85	1	10.0	2	19	5	7	nw.	R. B. Montgomery
Memphis	Scotland	787	3	25.0	.....	61	23	−16	10	12	0.58	−0.95	....	..	2.5	4	16	7	8	nw.	John W. Alexander
Mexico	Audrain	800	53	28.4	+ 0.4	66	23	− 7	10	64	1.35	−0.68	1.10	31	4.2	3	21	3	7	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	30.3	.....	65	23	− 9	8†	5	0.30	.....	0.20	31	2.0	2	23	4	4	w.	Beverly Coomes
Oregon	Holt	1,048	86	27.8	+ 3.7	60	25	−13	4	86	0.92	−0.01	0.82	1	8.5	2	18	9	4	sw.	Miss Mina Wright
St. Charles	St. Charles	520	54	31.8	+ 0.8	68	23	− 5	10	64	1.43	−0.72	0.47	31	0.8	4	26	2	3	sw.	Martin L. Comann
St. Joseph	Buchanan	957	32	28.4	+ 2.9	62	26	− 8	4	70	0.28	−1.00	0.56	31-1	4.1	2	17	6	8	nw.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	29.6	.....	62	23	− 8	10	4	0.74	.....	0.48	31	1.3	4	10	10	11	nw.	Lockmaster
Shelbina	Shelby	779	1	28.6	.....	63	23	−10	10	49	0.47	−1.06	0.31	2	1.0	3	22	3	6	sw.	Guyman Hatcher
Steffenville	Lewis	650	44	26.8	− 0.6	58	25	−10	4†	49	0.68	−1.33	0.24	31	3.5	4	12	15	4	s.	Frank Hall
Tarkio	Atchison	916	39	25.1	+ 2.2	58	25	−13	4†	48	1.17	+0.43	1.17	1	12.0	1	17	8	6	sw.	Albert Volker
Trenton	Grundy	822	46	29.6	+ 3.3	62	23†	−12	4†	47	0.37	−0.97	0.32	1	2.0	3	19	10	2	s.	W. H. Estes
Unionville	Putnam	1,062	49	24.8	+ 1.3	65	26	−18	10	49	0.30¶	−1.42	0.30¶	2	2.0¶	1	19	5	7	sw.	C. D. Wilson
Warrenton	Warren	816	60	32.5	+ 3.3	68	23	− 8	10	52	1.42	−0.77	0.70	31	7.0	4	16	9	6	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	70	27.6	+ 2.7	59	23	−10	4†	70	0.52	−1.04	0.26	1	1.6	5	16	6	9	w	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**28.4**	**+ 1.8**	**69**	**23**	**−18**	**3†**	..	**0.57**	**−1.06**	**1.17**	**1**	**3.3**	**3**	**19**	**6**	**6**	**nw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	38	....	.....	..	..	....	..	43	....	.....	....	.....	....	..	..	..	..	.....	E. S. Taylor
Appleton City	St. Clair	813	47	32.1	+ 0.8	67	23	− 4	10	50	0.58	−1.26	0.55	30-31	4.0	3	21	2	8	sw.	Rolla Brown
Bolivar	Polk	1,071	39	33.2	− 0.7	69	23	− 4	10	47	1.14	−0.79	0.60	30	2.5	6	19	9	3	sw.	Southwest Baptist College
Boonville	Cooper	650	4	28 8	.....	66	23	− 6	10	65	0.69	−1.03	0.33	31	0.6	3	16	7	8	w.	Boonville Water Dept.
Carthage	Jasper	962	8	34.2	.....	72	23	− 1	5†	18	2.16	.....	1.19	30-31	6.0	7	13	6	12	se.	Carthage W. and E. Plant
Clinton	Henry	786	49	31.6	− 0.1	69	23	− 4	10	55	0.94	−1.09	0.94	30	4.5	1	18	10	3	nw.	U. S. Weather Bureau
Eldon	Miller	934	47	34.2	+ 3.1	70	23	− 5	10†	43	1.53	−0.23	1.04	30-31	3.0	3	19	7	5	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	33.5	.....	70	23	− 5	6	1	1.56	.....	1.24	30	0.7	3	16	8	7	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	29.9	+ 2.6	65	23	− 6	10	67	0.43	−1.14	0.22	1	1.5	3	20	11	0	nw.	John H. Patterson
Jefferson City	Cole	557	52	29.8	0.0	69	23	− 8	10	60	1.18	−0.80	0.70	31	3.0	2	19	13	9	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	34.6	− 0.3	71	23	1	8†	37	1.92	−0.24	1.49	30	....	6	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	31.9	− 1.1	70	23	0	4†	11	1.48	−0.70	0.80	31	5.0	4	..	..	..	sw.	W. S. Frame
Lamar	Barton	980	54	30.8	− 1.3	72	23	− 5	8†	61	1.49	−0.34	1.14	31	4.0	2	19	4	8	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	31.6	− 0.9	70	23	−10	10	55	1.49	−1.15	0.86	31	2.0	5	13	7	11	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	30.8	+ 3.0	65	23	− 6	4	58	0.41	−1.11	0.20	1	0.7	5	22	8	1	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	34.0	+ 0.7	69	23	− 3	8	46	2.10	+0.24	1.05	30	8.0	7	21	5	5	nw.	Hubert A. Nieman
Marshall	Saline	779	55	31.3	+ 3.4	62	23	− 6	4	52	0.05	−1.60	0.05	31	0.5	1	28	0	3	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	33.0	+ 0.2	68	23	−10	8	45	2.33	−0.40	1.53	30-31	2.6	8	17	8	6	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	34.2	+ 0.9	70	23	− 3	5†	42	2.34	−0.37	0.90	30	5.0¶	6	11	11	9	nw.	G. H. Boswell
Neosho	Newton	1,011	55	34.0	− 1.1	72	23	− 3	8	59	2.51	+0.04	1.33	30	3.9	8	19	5	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	33.8	+ 1.9	69	23	− 2	8†	50	1.15	−0.68	0.66	30-31	3.0¶	4	14	9	8	nw.	Henry Kraft
Ozark Beach	Taney	700	2	33.2	.....	74	23	− 6	8	17	1.92	−1.05	0.86	31	2.0	9	..	..	..	.....	V. Smith
Sedalia	Pettis	910	29	32.1	+ 5.7	67	23	− 6	10	31	0.71	−1.54	0.42	30-31	3.1	5	18	6	7	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	34.1	− 1.0	69	23	− 8	8	39	2.42	−0.37	1.01	30	2.5	7	15	7	9	w.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	31.8	− 2.2	67	23	− 9	8	36	1.72	−0.87	0.83	30	3.2	7	20	6	5	nw.	A. L. Hailey
Springfield	Greene	1,301	54	31.4	− 2.1	68	23	− 4	8†	54	1.55	−0.79	0.97	30-31	4.9	6	15	4	12	nw.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	31.8	.....	66	23	− 6	4†	1	0.41	.....	0.31	1	1.3	5	17	11	3	nw.	H. F. Nelson
Warrensburg	Johnson	878	55	31 2	+ 2.5	64	23	− 5	4†	62	0.60	−1.18	0.33	30-31	4.6	5	19	8	4	sw.	E. A. Markey
Warsaw	Benton	687	41	32.6	− 0.3	71	23	− 7	10	47	1.12	−1.02	0.42	31	6.0	3	12	16	3	nw.	Everett Martin
Wasola	Ozark	1,294	1	34.6	.....	70	23	− 8	8	2	2.22	.....	1.42	30-31	1.5	7	21	4	6	w.	A. W. Pinckney
Division means	**and extremes**	.....	..	**32.4**	**+ 0.6**	**74**	**23**	**−10**	**8†**	..	**1.30**	**−0.87**	**1.53**	**30-31**	**3.2**	**5**	**18**	**7**	**6**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	5	30.8	.....	69	24	−20	8	5	3.10	.....	1.33	31-1	3.7	6	14	5	12	nw.	U. S. Weather Bureau
Arcadia	Iron	926	61	31.7[b]	− 0.2	70	24†	−13	8	64	3.52	+0.53	1.37	27	1.0¶	6	18	5	8	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	32.6	− 1.9	70	24	−24	8	48	4.02	+0.84	2.25	30	4.0	7	19	3	9	n.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	33.6	.....	68	24	−18	8	11	3.84	−1.16	1.17	1	2.3	7	19	2	10	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	35.1	− 2.6	66	25	−16	8	16	4.58	−0.72	1.54	1	8.0	8	20	3	8	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	34.2	− 4.9	70	24	− 8	8	50	4.58	−0.61	1.70	1-2	7.0	9	20	2	9	w.	Victor T. Malloure
Crystal City	Jefferson	420	8	31.2	.....	70	23	− 9	8†	8	2.24	.....	.....	.....	2.8	5	0	12	19	w.	Frank Magre
Donlphan	Ripley	344	38	33.2	− 2.6	74	24	−24	8	38	4.32	+0.22	1.56	1	6.5	7	20	3	8	n.	Boyce Lackey
Farmington	St. Francois	896	31	33.5	+ 0.9	67	23	− 8	8	45	2.90	−0.24	1.37	30	1.3	6	19	2	10	s.	F. M. Karsch
Goodland	Iron	1,000	49	30.2	− 2.4	67	23	−15	8	49	3.14	+0.44	1.27	30	2.0	8	20	3	8	n.	F. M. Adams
Greenville	Wayne	381	33	33.4	− 1.6	74	24	−21	8	35	3.76	+0.44	1.38	30	6.0	7	13	10	8	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	32.6	− 1.2	67	24	−14	8	52	4.34	+0.40	1.40	30	3.5	8	16	3	12	n.	John G. Putz
Koshkonong	Oregon	958	41	35.4[a]	− 1.1	69	23	− 8	8†	42	3.27	−0.35	1.00	30	7.0	7	15[a]	8[a]	7[a]	nw.	R. M. Hitt
Licklng (near)	Texas	1,170	5	32.7	.....	70	23	−11	8	5	2.28	.....	1.35	30	1.8	6	22	2	7	nw.	U. S. Forestry Service

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UNMS
1942-44

Climatological Data for January 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Marble Hill	Bollinger	470	47	32.9	− 1.7	72	24	−17	8	49	3.69	−0.18	1.08	27	3.0	7	18	2	11	nw	R. A. DeWitt
Poplar Bluff	Butler	339	37	32.8	− 3.2	69	24	−20	8	38	5.24	+0.82	1.67	1†	8.0	8	11	9	11	nw.	B. R. Wheetley
Rolla	Phelps	1,202	42	31.4	− 0.5	70	23	− 7	10	58	1.68	−0.78	1.29	30	3.4	6	13	6	12	w.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	32.5	+ 1.4	67	23	− 5	10	105	1.44	−0.90	1.07	30	0.6	6	15	5	11	nw.	**Section Center**
St. Louis Airport	St. Louis	556	5	31.4	.....	66	23	− 5	10	11	0.90	.....	0.66	30	0.5	4	15	4	12	w.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	32.4	+ 0.4	64	23	− 4	10	30	1.43	−1.17	0.91	30	2.3	6	17	3	11	w.	St. Louis University
Salem	Dent	1,173	38	32.0	− 0.6	70	23	− 8	8	41	2.22	−0.50	1.38	30	1.5	3	19	5	7	n.	E. E. Martin
Sikeston	Scott	318	35	32.6	− 4.4	68	24†	−12	8	45	4.04	−0.82	1.25	1	6.5	8	12	13	6	nw.	Mrs. Hazelle P. Young
Union	Franklin	520	4	33.4	.....	72	23	− 6	10	25	1.43	−0.89	0.63	31	1.5	4	19	3	9	nw.	Robert Mueller
Wappapello Dam	Butler	475	3	32.0	.....	73	24	−18	8	3	4.55	.....	1.40	30–31	5.5	10	15	8	8	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	31.2	.....	67	23	− 7	10†	2	2.32	.....	0.91	31	1.0	6	13	11	7	n.	John A. Kettinger
West Plains	Howell	1,005	5	31.4	.....	70	23	−23	8	5	2.18	.....	1.14	30	6.5	6	11	14	6	nw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	32.3	.....	70	23	−20	8	35	2.32	−0.86	1.07	30	4.0	6	20	2	9	nw.	G. W. Yarnell
Cairo, Ill.	Alexander, Ill.	315	70	34.2	− 0.7	65	24	− 5	8	71	3.12	−0.64	1.40	31–1	5.4	8	10	11	10	sw.	U. S. Weather Bureau
.....	.....	.....	..	....	.....	..	..	....	..	..	....	.....	....	.....	....	..	..	..	..	.....	.....
Division means and extremes		.....	..	**32.6**	− 1.5	**74**	**24**	**−24**	**8**	..	**3.10**	**−0.28**	**2.25**	**30**	**3.8**	**7**	**16**	**6**	**9**	**nw.**	
State means and extremes		.....	..	**31.1**	+ 0.4	**74**	**23†**	**−24**	**8**	..	**1.66**	**−0.73**	**2.25**	**30**	**3.4**	**5**	**18**	**6**	**7**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

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the 24th, and the lowest was 24° below zero at Birch Tree(near) and Doniphan on the 8th.

PRECIPITATION

The average for the State, 157 stations reporting, was 1.66 inches, or 0.73 inch less than normal. The greatest local monthly amount was 5.83 inches at Fisk, and the least local monthly amount was 0.05 inch at Marshall. The greatest amount in any twenty-four hours was 2.25 inches at Birch Tree(near) on the 30th. The average number of days with 0.01 inch or more was 5.

Snowfall averaged 3.4 inches, or 1.1 inches less than normal. The greatest monthly amount was 12.0 inches at Grant City and Tarkio.

MISCELLANEOUS PHENOMENA

Earthquake.—On 14th in vicinity of St. Louis; slight intensity.

Fogs.—Dense, 1st, 8th, 13th, 15th, 16th, 17th, 18th, 27th, 30th, 31st.

Glaze.—1st, 17th, 27th, 30th, 31st.

Hail.—Light, 26th at Carthage.

Halos.—Solar, 3d, 4th, 6th, 8th, 9th, 25th, 29th; lunar, 3d, 8th, 9th, 20th, 23d, 24th, 25th, 26th, 28th, 29th.

Sleet.—1st, 30th, 31st.

Thunderstorms.—Local, 1st, 16th, 26th, 30th.

Windstorms.—No damaging winds reported, but minor damage to wires and two dwellings at Mount Vernon on 1st from an electric storm.

Daily Precipitation for January 1942

Stations	Drainage-basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand	.85						.06											.02												T.	T.	0.91
Amity[2]	....do	.48	.02					T.		T.								.02												T.	T.	0.52
Bethany	....do	.20																															0.20
Bowling Green[2]	Mississippi	.15																T.														.85	1.00
Brookfield	Grand	.85						T.										.05													T.		0.40
Brunswick[2]	....do	.26	T.					.02	T.									.04														.08	0.40
Canton, Lock No. 20[2]	Mississippi	.30	.04							.02								.03	.01												T.	.20	0.60
Centralia[2]	....do	.27	T.																													.30	0.57
Chillicothe[2]	Grand	.12	.01					T										.21	T.													T.	0.34
Clifton Hill	Chariton	T.																.21													T.	.11	0.32
Columbia [1]‡	Missouri	.15						T.										T.												T.	.23	T.	0.38
Conception	....do	.22						T.																							T.	T.	0.22
Edina[2]	Mississippi	.14	.03							T.								.01	T.													.05	0.23
Elsberry	....do	.46						T.																							*	1.00	1.46
Farber[2]	....do																	T.													T	.20	
Fayette	Missouri	.25						T.										.10	.04													.12	.20	0.71
Fulton[2]	....do																																
Gallatin[2]	Grand	.33	.01					T.		T.								T.														T.	0.34
Gorin	Mississippi	.22	.08															.12													T.	.27	0.69
Grant City	Grand	.44	T.															T.															0.44
Hannibal[3]	Mississippi	T.							T.									T.	T.											T.	.19	.07	0.26
Hermann[2]	Missouri	.40																	.05												.15	.70	1.30
Kahoka[2]	Mississippi	.15	.06							T.								T.	.06													.20	0.47
Kansas City Airport [1]‡	Missouri	.11						T		T.							T.	.03									T.				T.	T.	0.14
Kansas City University	....do	.12						T.										.03													T.	T.	0.15
Kidder[2]	Grand	.28	.05															T.															0.33
King City	Missouri	.30						.04																									0.34
Kirksville	Mississippi	.28	.02						T.									T.													T.	.03	0.33
LaBelle[2]	....do	*	.32															.04	T.													.08	0.44
Lawson	Missouri	.14						.01										.04													T.		0.19
Linneus[2]	Grand	.16						T.										.09	T.													T.	0.25
Louisiana	(A).. Mississippi	.10	T.						T.										T.													.80	0.90
Lucerne[2]	Grand	.02	.24															.06	T.														0.32
Macon[2]	Chariton	.21	.08					T.										.02	T													.25	0.56
Madison[2]	Mississippi	.17						.02										.04	T.													.22	0.45
Maryville	Missouri	.85						T.										.02	T												T.		0.87
Memphis[2]	Mississippi	*	.30															T.	.08													.20	0.58
Mexico[2]	....do	.20							.05									T.													1.10	1.35
Milan[2]	Grand	.20	.05						T.									.06	.02													T.	0.33
Moberly	Mississippi																	.10													T.	.20	0.30
Monroe City	....do																	T.													*	.40	0.40
New Florence[4]	Missouri	.19	T.					T.										T.	.01									T.		T.	.72	.01	0.93
Oregon	....do	.82						.10																								T.	0.92
Palmyra[2]	Mississippi	T.						T.		T.									.05									T.			T.	.20	0.25
Paris[2]	....do	.28	.02					*	.04									.02	.02									T.				.20	0.58
Perry[2]	....do																															.10	0.10
Philadelphia[2]	....do	.24																.05														.34	0.63
Platte City[2]	Missouri	.30	T.					T.										T.															0.30
St. Charles[2]	....do	.41							T.										.41													.14	.47	1.43
St. Joseph[1]‡	....do	.26						.02																							T.		0.28
Saverton, Lock No. 22[2]	Mississippi	.18	T.					.04	T.	T.								T.														.04	.48	0.74
Shelbina	....do		.31															.03	T.														.13	0.47
Shelbyville[2]	....do		.15															.33														.30	0.78
Steffenville[2]	....do	.20	.20						T.	T.								.04	T.												T.	.24	0.68
Tarkio	Missouri	1.17																															1.17
Trenton	Grand	.32							.01									.04													T.		0.37
Troy[2]	Mississippi	.30	T.						T.										T.												.25	.85	1.40
Unionville[2]	Chariton	*	.30															T.															0.30
Warrenton	Mississippi	.44	T					T.										T.	.03												.25	.70	1.42
Keokuk, Iowa[2]	....do	.26	.10							.02									T												.02	.12	0.52
Southwestern Division																																	
Altona[2]	Osage	.32																T.														.34	0.66
Anderson (near)	Neosho																																
Appleton City	Osage	T.																.03													*	.55	0.58
Bolivar	....do	.26			T.			T										T.	.03								.06	.08			.60	.11	1.14
Boonville[2]	(A).. Missouri	.27						T.										.09														.33	0.69
Buffalo[2]	Osage	.41																	.03									.30				.81	1.55
Butler[2]	....do																	.07													*	.42	0.49
Caplinger Mills[2]	....do	T.	T.					T.	T.	T.							T.	T.										.20			T.	.72	0.92
Carthage	Neosho	.30			T.													.05	.03								.42	.17			1.09	.10	2.16
Clinton[4]	Osage	T.						T.										T.													.94	T.	0.94
Concordia[3]	Missouri	.30	T.					T.										.03										T.				.17	0.50
Crocker	Osage	.31		T.													T.										.21				.90	.40	1.82
Eldon[2]	Missouri	.49	T.						T.									T.													.05	.99	1.53
Eldorado Springs	Osage	.25																T.									.21				.62	.27	1.35
Fort Leonard Wood	Gasconade	.25		T.																											1.24	.07	1.56
Galena[2]	White	.80			T.														T								T.	.18			.12	.65	1.75
Hailey	....do	.51		.07		.15		.12										.31	.13								.07	.21			1.48		3.05
Harrisonville[2]	Osage	.22							T.									.06														.15	0.43
Higginsville[2]	Missouri	.20						T.																								.02	0.22
Jefferson City[2]	....do	.48																														.70	1.18
Joplin[1]	Neosho	T.			.02													.06	.06								.28				1.49	.01	1.92
Lakeside[2]	Osage	.50	T.															T.	.03													.15	.80	1.48
Lamar[3]	Neosho				T																							.35				1.14	1.49
Lebanon[2]	Osage	.29			.03																							.22			.09	.86	1.49
Lexington[2]	Missouri	.20	.02					.02										.06														.11	0.41
Lockwood	Osage	.10			T.			T.										.16	.02								.27	.25			1.05	.25	2.10
Manes[2]	Gasconade	.15			.07																							.68			.40	.06	1.36
Marshall	Missouri	T.						T.																							T.	.05	0.05
Mountain Grove	White	.20		.08				.03											.03								.19	.27			1.28	.25	2.33
Mount Vernon	Neosho	.20		T.	T.			T.										T.	.01								.15	.48			.90	.60	2.34
Neosho	....do	.19			.01			T.										.39	.15								.01	.13			1.33	.30	2.51
Nevada	Osage	.40			T.													.09									T.			T.	.50	.16	1.15
Osceola[2]	....do	.40																	.05									.08			.02	.51	1.06
Ozark Beach[2]	White	.25	.01		.11	.01			.08										.05									.27			.28	.86	1.92
Pleasant Hill[2]	Osage	.20	.02					T.	T.									.03														.09	0.34
Roby	Gasconade	.22																									.12	.22			1.34	.14	2.04
St. Thomas (near)[2]	Osage	.58																													.08	1.09	1.75
Sedalia	Missouri	.22						.01										.06													.22	.20	0.71
Seligman	Neosho	.05			.05			T.											.45								.46	.15			1.01	.25	2.42
Seymour (near)	White	T.		.07	.02														.02								.05	.55			.83	.18	1.72

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Daily Precipitation for January 1942 – Continued from preceding page

Stations	Drainage-basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Springfield[1‡]	White	.01	T.	.08	.01			T.	T.									T.	T.								.47	T.		T.	.96	.02	1.55
Stover[2]	Missouri	T	T.																												.51		0.51
Sweet Springs	....do	.31						.02										.02	T.												.03	.03	0.41
Warrensburg	....do	.07						T.	.06									.11													.25	.08	0.60
Warsaw	(A).. Osage	.38																T.									T.				.32	.42	1.12
Wasola	White	T.		.16	T.			.03											.01								*	.60			*	1.42	2.22
Waverly[2]	Missouri	.12	.02					.03	T.									T.														.05	0.22
Southeastern Division																																	
Advance[4]	St. Francis..	.46		.05	T.			T.											.25								.32	.79			1.20	T.	3.07
Alton (near)	Black	1.05			.18			.06											.18								.61	.31			1.07		3.46
Annapolis	St. Francis .	*	.41	.17				.04											.08								.45	.72			.98	.76	3.61
Arcadia[2]	....do	.25			.08				.02										T.									1.37	T.		.87	.93	3.52
Belleview	Meramec			.06				T.												T.							.26	.97			1.55	.46	3.30
Birch Tree(near)	Black	.43		.12				.04																			.34	.82			2.25	.02	4.02
Bragg City	St. Francis .	1.17		.09	T.			.12											*	.51							T.	.79			1.16	T.	3.84
Campbell	....do	1.54		.20				.50											.38								.10	.59			1.25	.02	4.58
Cape Girardeau[2]	Mississippi..	1.24	.02		.33				.48											.23								.61	.14		.43	.54	4.02
Carruthersville[2]	....do	1.05	.65		.16			*	.20											.72								.78	.05		T.	.97	4.58
Ceuterville[2]	Black	.20			.08		.01	T.											.02									1.10			1.05	.75	3.21
Crystal City	Mississippi..			.21																							*	.48			*	1.55	2.24
Cuba[2]	Meramec																																
Deering[2]	St. Francis .	1.39	T.		.13			.03	.30											.60								.72	.08		.78	T.	3.98
Dexter[2]	....do	1.53	.11		.25			T.	.12											.46								1.35	.45		.30	1.13	5.70
Doniphan	Black	1.56		.20				.12											.27								.22	.72			1.23		4.32
Farmington	St. Francis .	.15		.08	T.			T.																			.15	.65			1.37	.50	2.90
Fisk[2]	....do	1.52	T.		.48			.09	T.											.19								2.07	.38		.17	.93	5.83
Fredericktown[2]	....do	.36	.14		.12																							.90	.17		.76	.95	3.40
Gerald[2]	Meramec	.45																											.03		.06	.62	1.16
Goodland	Black	.20		.07	.02			.04																			.30	.85			1.27	.39	3.14
Greenville	St. Francis .	.92		*				.60											.12								.16	.58			1.38	T.	3.76
Jackson	Mississippi .	.97		.30				.02											.07								.39	1.05			1.40	.14	4.34
Jerome[2]	Gasconade..	.82																										.32			.23	.98	2.35
Koshkonong	Black	.88		.40				.30											.13								.29	.27			1.00		3.27
Leeper[2]	....do	.80	.01		.21			.08	T																			.75	T.		.09	.85	2.79
Licking (near)	Gasconade..	.20			.10			T											T.								.14	.36			1.35	.13	2.28
Marble Hill	Mississippi .	.93		*	.30			T.											.30									1.08			.94	.14	3.69
Meramec Park[2]	Meramec	.12	.01																									.21			.18	1.32	1.84
Morehouse	Mississippi .	1.47		.17	T.			.05											.37								.06	.86			1.03		4.01
New Madrid[2]	....do	1.42	.25		.30				.20											.62								.56	.06		.04	1.26	4.71
Owensville[2]	Gasconade..	1.25	T.																												.20	.61	2.06
Pacific[2]	Meramec	.40																													T.	.70	1.10
Parma[2]	St. Francis .	1.78	.34		.20			T.	.12																						.30	.72	4.11
Perryville[2]	Mississippi..	.20			.15				T.													T.					.60	.05		.80	1.20	3.35
Poplar Bluff[2]	....(A).. Black	1.67			.30			.25											.07	.25							.90	.10					
Richwoods[3]	Meramec	.25																									1.67	T.		.49	.54	5.24
Rolla[4]	....do	.04	T.	.05				T.																			.45					.20	0.90
St. Louis:																											.21	T.		.06	1.29	.03	1.68
City Office[1‡]	Mississippi .	.27	T.	T.				T.										T.	.01							.04	.01	T		1.07	.04	1.44
Airport[4‡]	Missouri	.21	T.	T.				T.										T	.02								T.	T.	T.	.66	.01	0.90
St. Louis Univ.[3‡]	Mississippi .	.24	T.	T.				.01										T.	.01							.04				.91	.22	1.43
Washington Univ.[2‡]	....do	.27																	.04								.01			.17	.87	1.36
Salem	Meramec			.20				T.																							1.38	.64	2.22
Sikeston[2]	Mississippi .	1.25	T.		.28			.03	.05	T.										.48								.80	T.		.38	.77	4.04
Union	Meramec	.47		T.																								.04			.29	.63	1.43
Valley Park[2]	....do	.28	T.						.01										.07									.05			.12	.74	1.27
Van Buren	Black	.20		.25				.10											T								.27	.10		.39	.54		1.85
Wappapello Dam[2]	St. Francis..	1.38			.18			.05	.03										.05	.12								1.23	.11		.54	.86	4.55
Weingarten[2]	Mississippi..				.05															.01								.65	.10		.60	.91	2.32
West Plains[4]	Black	.02		.18	T			.11											T.								.64	.09		T.	1.14	T.	2.18
Williamsville[2]	....do	1.45			.22			.08	.05											.15								.88	.03		.56	.75	4.17
Willow Sprgs.(near)	White	.16		.20				.15											.15								.52	.22			1.07		2.32
Zalma(near)	Mississippi .	1.26		.12	T			.02											.18	1.15							.18	1.15			1.30	.23	4.41
Cairo, Ill[1‡]	....do	1.00		.29				.04											.49								.07	.41			.79	.03	3.12

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for January 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	‡31	
Lakeside (Osage Dam)	Evaporation	.070															.054	.041	.085	.050	.032	.040	.071	.037	.091	.092	.072	.027	.042	.054	.071	*	1.800
	Mean temperature	35	16	17	6	16	20	7	10	14	16	24	40	40	36	36	42	41	45	41	39	38	44	46	42	46	42	34	41	44	40	35	31.9
	Wind movement	60	168	114	91	60	64	88	75	71	137	89	36	33	22	24	47	22	62	82	30	21	41	23	29	54	22	35	55	54	72	118	1,899
St. Louis (Washington University)	Evaporation	.098	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.313	.009	.008	.040	.030	.039	.069	.104	.062	.032	.038	.018	.027	†	0.801
	Mean temperature	38	18	18	6	11	18	3	6	12	9	18	36	38	38	39	38	45	43	40	38	38	40	48	44	49	46	37	34	38	36	28	30.6
	Wind movement	34	88	15	73	51	34	90	43	51	72	55	30	23	27	28	21	13	42	33	19	5	35	15	22	35	19	36	118	32	45	88	1,292

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. † —.009.

Daily Temperatures for January 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	35	18	18	6	18	24	4	17	16	28	44	48	53	46	52	50	56	38	50	49	51	54	63	54	60	55	36	47	57	38	34	39.3
	Minimum	32	2	2	−5	−6	0	−2	−4	−1	−5	−5	16	24	24	25	25	29	36	30	27	26	28	30	28	33	33	31	29	28	31	24	18.2
Chillicothe §§	Maximum	25	16	14	6	16	19	3	16	11	30	43	46	51	44	50	50	55	39	49	48	51	54	63	52	60	55	40	47	56	37	34	38.1
	Minimum	25	−2	−1	−11	−9	−2	−5	−6	−1	−10	−1	22	26	29	28	25	28	29	28	27	27	29	29	33	34	33	29	24	25	34	23	17.4
Columbia	Maximum	36	20	22	9	23	28	8	16	19	28	43	49	53	47	52	54	56	52	48	48	50	53	69	56	60	59	43	45	55	46	32	41.3
	Minimum	12	6	4	−4	3	8	−3	−4	−1	−6	20	32	27	28	25	26	39	34	30	27	28	31	34	36	36	34	31	32	30	32	21	20.9
Fayette	Maximum	34	20	21	10	22	25	15	18	17	29	44	49	52	46	52	52	51	49	49	51	50	55	65	55	59	59	50	45	54	52	33	41.5
	Minimum	12	2	9	−6	−2	7	−3	−8	4	−9	18	30	22	31	22	23	34	32	27	26	27	29	26	36	35	30	28	29	29	32	21	19.1
Grant City	Maximum	20	9	7	5	10	13	2	14	11	27	38	42	45	41	45	47	46	42	46	46	50	52	57	53	59	60	50	46	55	46	32	36.0
	Minimum	6	−10	−3	−15	−12	−8	−12	−13	−6	−16	11	32	19	29	26	22	37	30	26	26	25	26	29	30	33	33	28	23	32	32	20	15.5
Hannibal	Maximum	35	18	18	6	18	24	3	19	18	27	38	47	49	46	50	48	53	50	45	45	46	52	62	52	57	54	43	35	49	45	32	38.2
	Minimum	11	3	−1	−7	0	1	−7	−6	−6	−9	18	30	23	24	25	26	30	32	26	27	28	29	33	37	34	35	28	29	28	30	18	18.4
Kansas City Airport	Maximum	32	18	17	8	21	22	4	20	17	32	46	48	55	46	54	59	54	44	51	52	54	56	66	57	63	57	50	49	58	45	32	41.5
	Minimum	3	2	0	−6	3	4	−1	2	2	2	23	32	26	32	30	26	41	32	31	30	29	31	32	36	37	35	30	25	40	32	23	21.5
Kirksville	Maximum	32	12	10	2	10	17	5	17	12	25	37	42	47	42	46	48	51	45	46	45	49	54	60	49	60	63	47	45	51	41	33	36.9
	Minimum	11	−3	−2	−12	−5	−1	−8	−8	−3	−12	17	32	24	33	27	25	32	29	25	27	28	30	35	33	35	34	27	28	28	32	21	18.0
Lawson	Maximum	31	15	10	6	18	20	12	16	15	28	42	45	51	48	50	52	51	48	47	50	50	52	64	53	58	57	45	46	55	49	31	39.2
	Minimum	8	−3	6	−9	−4	6	−5	−8	2	−9	19	31	28	32	26	29	40	28	27	27	27	28	32	32	34	37	28	23	32	31	22	19.3
Louisiana §§	Maximum	39	19	21	8	20	27	19	18	20	27	42	48	49	46	51	50	51	45	45	47	47	51	63	54	58	60	35	37	49	46	26	39.3
	Minimum	29	9	10	−4	−3	2	−2	−7	1	−8	8	17	20	20	23	22	22	36	30	28	27	29	28	32	33	29	30	30	27	30	26	18.0
Macon §§	Maximum	35	16	17	7	18	19	5	17	17	28	43	50	52	48	53	53	54	40	49	47	52	55	62	55	61	63	35	42	54	40	33	39.4
	Minimum	30	0	0	−7	−8	−1	−5	−6	−3	−9	−7	18	24	25	26	25	25	34	25	25	25	27	27	34	34	29	28	29	30	23	17	17.1
Maryville	Maximum	12	10	9	5	7	12	0	15	12	26	38	41	45	41	41	44	45	39	43	45	45	49	54	50	56	55	47	43	53	45	30	34.1
	Minimum	3	−10	−4	−16	−15	−8	−12	−17	−5	−15	14	26	20	30	25	25	37	26	25	25	25	27	29	30	30	35	27	27	32	30	20	15.0
Mexico §§	Maximum	37	20	20	9	22	27	4	15	11	27	41	49	50	45	51	53	53	40	45	48	48	52	66	54	60	60	33	39	52	42	28	38.7
	Minimum	30	4	5	−5	−6	−2	−3	−6	−2	−7	−4	22	24	26	25	20	30	37	27	27	28	28	30	30	36	33	29	28	28	29	23	18.2
Moberly	Maximum	32	18	18	15	20	25	18	16	21	27	43	49	50	46	51	52	54	50	47	46	51	52	65	55	59	59	50	44	52	48	36	40.9
	Minimum	16	1	11	−7	−1	6	−5	−9	9	−9	18	30	24	31	25	27	29	28	27	26	26	24	32	34	37	36	32	28	30	34	22	19.7
Oregon	Maximum	20	11	11	7	12	10	6	16	16	30	41	45	48	42	42	52	50	45	47	46	50	54	57	55	60	57	50	42	55	50	32	37.4
	Minimum	2	−8	−1	−13	−8	0	−8	−7	−2	−7	19	22	30	32	28	27	42	28	28	26	28	29	34	32	34	38	27	25	36	30	20	18.2
St. Charles §§	Maximum	44	25	24	14	24	32	18	17	21	24	42	52	52	50	54	52	61	52	49	48	49	54	68	62	62	57	39	39	50	44	39	42.5
	Minimum	35	13	13	3	4	6	2	−4	0	−5	0	24	23	29	25	25	28	33	31	29	28	29	29	37	37	33	33	29	29	32	27	21.2
St. Joseph	Maximum	22	14	12	7	11	17	2	17	13	31	44	44	52	43	48	52	49	37	48	48	50	54	60	54	60	62	45	46	54	38	30	37.5
	Minimum	−2	−4	−4	−8	−4	0	−5	−4	−4	−5	21	31	28	30	29	28	37	30	30	30	28	31	35	35	35	37	29	27	35	30	22	19.3
Trenton	Maximum	26	20	20	15	12	21	19	14	20	28	42	46	50	48	48	49	52	43	48	47	51	52	62	52	62	57	55	47	55	53	34	40.3
	Minimum	12	−4	4	−12	−6	6	−6	−9	7	−12	17	33	23	34	27	25	35	30	30	28	28	29	31	30	36	33	29	24	28	32	22	18.8
Unionville §§	Maximum	30	10	11	4	10	15	1	16	9	25	38	42	45	41	46	50	52	40	49	48	51	55	60	50	61	65	35	46	51	38	30	36.3
	Minimum	20	−5	−7	−16	−17	−10	−10	−15	−8	−18	−15	11	20	21	25	25	26	33	22	23	25	26	27	30	31	33	25	25	28	33	20	13.2
Warrenton	Maximum	41	20	22	22	20	29	26	17	21	25	41	48	53	53	52	55	59	56	46	46	48	51	68	59	59	59	54	41	54	49	40	43.0
	Minimum	18	7	12	−3	0	10	−1	−7	10	−8	20	33	25	34	25	28	31	44	30	27	27	29	32	41	37	34	29	29	26	40	23	22.0
Keokuk, Iowa	Maximum	35	17	19	2	9	16	1	20	18	26	38	44	49	42	46	46	50	48	43	42	46	50	59	49	54	56	36	37	46	42	29	36.0
	Minimum	14	2	−2	−10	−2	−3	−8	−7	−6	−10	18	32	26	28	27	28	38	32	29	28	30	30	36	36	33	36	28	33	30	29	19	19.2
Southwestern Division																																	
Clinton	Maximum	38	18	24	12	26	32	10	17	23	30	49	54	58	50	52	61	57	49	53	51	52	57	69	60	65	58	49	51	57	48	31	44.0
	Minimum	7	4	6	−2	0	8	−3	−3	2	−4	14	28	25	26	24	27	37	31	27	25	25	30	29	31	33	34	27	27	34	28	19	19.1
Eldon §§	Maximum	41	21	25	10	25	32	9	16	22	30	45	50	56	49	53	59	59	52	51	52	54	57	70	61	62	57	37	48	57	44	30	43.0
	Minimum	33	5	5	−2	−2	1	1	−4	−3	−5	−5	10	20	26	25	23	26	39	30	28	28	28	30	28	37	34	35	29	30	32	25	25.4
Harrisonville §§	Maximum	16	20	20	12	25	28	11	20	21	30	50	53	55	50	55	55	52	46	51	55	52	57	65	57	63	56	53	49	57	39	32	42.1
	Minimum	14	0	1	−5	−3	3	−3	−5	1	−6	1	24	26	29	24	26	26	29	26	25	25	28	29	32	31	34	33	33	24	26	23	17.7
Jefferson City §§	Maximum	31	21	25	9	23	31	7	14	22	29	43	52	54	47	52	55	59	52	48	51	52	56	69	61	62	57	35	44	56	45	30	41.7
	Minimum	29	4	5	−4	−3	1	0	−6	−4	−8	7	20	25	25	24	25	27	36	29	26	26	25	29	31	36	33	31	27	27	28	21	18.0
Joplin	Maximum	46	18	25	12	23	28	19	21	23	29	45	52	59	48	48	59	60	53	51	50	52	57	71	61	64	57	54	54	57	53	29	44.5
	Minimum	8	5	12	4	3	11	3	7	6	1	25	35	32	36	28	33	44	34	29	30	30	35	37	41	40	45	36	28	40	29	22	24.6
Lamar §§	Maximum	25	23	31	11	29	34	20	23	30	33	48	55	60	54	50	62	62	50	55	55	53	58	72	61	65	60	56	52	61	45	36	46.1
	Minimum	16	0	0	−3	−4	4	1	−5	−2	−5	−3	14	21	24	20	22	24	26	22	22	21	21	26	30	29	29	31	25	24	33	21	15.4
Lebanon §§	Maximum	35	27	31	12	30	35	15	14	30	31	45	59	61	55	55	62	63	45	50	53	52	58	70	62	63	50	42	52	54	44	27	44.6
	Minimum	33	4	4	−1	0	5	1	−8	−5	−10	−8	19	25	28	22	25	31	38	26	24	23	23	28	34	36	34	39	26	29	29	23	18.6
Lexington §§	Maximum	20	19	19	9	22	27	8	18	17	30	47	50	55	49	54	56	54	51	44	52	52	52	55	65	58	64	57	48	49	55	38	29	41.0
	Minimum	19	0	3	−6	−3	3	−1	−2	5	−3	5	25	30	33	29	28	29	33	30	29	29	30	34	35	36	37	31	27	29	36	24	20.5
Marshall	Maximum	34	18	18	13	22	26	20	15	16	30	44	48	52	51	50	50	55	52	49	48	49	55	62	61	58	56	55	45	55	53	32	41.7
	Minimum	12	2	12	−6	2	11	−3	−4	7	−5	21	29	28	33	27	26	36	29	29	28	28	28	33	35	33	34	29	30	31	31	23	20.9
Mountain Grove	Maximum	46	24	20	19	23	30	25	8	25	21	43	53	52	50	51	58	59	55	51	49	52	59	68	65	63	54	48	51	50	47	40	43.8
	Minimum	15	6	17	0	−4	5	3	−10	5	−9	14	25	27	35	24	30	35	42	28	28	27	32	37	42	40	39	40	27	27	38	23	22.2
Neosho	Maximum	45	22	29	26	28	32	26	22	28	34	49	52	61	54	50	62	60	52	53	51	52	59	72	67	65	62	53	55	59	54	33	47.3
	Minimum	15	5	12	−4	−2	7	6	−3	14	1	18	29	22	32	19	25	37	33	24	24	22	24	26	30	27	34	35	29	31	32	25	20.6
Nevada	Maximum	40	21	27	20	27	33	19	20	25	30	50	53	57	52	51	59	59	54	54	54	53	57	69	62	65	58	55	55	58	53	32	45.9
	Minimum	13	5	12	1	0	10	4	−2	10	−2	17	30	25	34	24	27	39	31	28	26	25	28	32	32	32	38	35	27	36	32	24	21.7
Sedalia	Maximum	31	20	26	15	24	28	21	16	17	29	44	48	53	49	51	58	57	54	50	50	50	55	67	59	60	58	52	49	58	53	34	43.2
	Minimum	12	3	12	−5	1	12	−1	−4	6	−6	18	31	25	31	27	28	38	32	27	26	26	29	32	33	36	36	30	29	33	32	23	21.0
Springfield	Maximum	46	20	22	11	23	30	17	14	21	26	45	52	54	48	47	57	61	48	49	49	49	56	68	62	61	55	44	50	55	46	28	42.5
	Minimum	7	4	10	−1	3	5	−2	−4	1	−4	21	29	27	28	24	27	38	32	28	28	28	30	30	39	37	35	29	28	31	28	19	20.3
Warrensburg	Maximum	34	18	19	12	24	27	21	19	17	28	46	49	54	49	49	48	57	50	51	52	51	55	64	58	62	62	53	48	52	50	32	42.3
	Minimum	9	2	9	−5	1	11	−1	−4	7	−5	17	29	26	32	24	27	40	29	25	25	24	29	32	32	32	35	31	27	35	30	28	20.2
Southeastern Division																																	
Arcadia §§	Maximum	51	31	23	18	27	35	13	13	30	23	42	56	54	55	59	60	60	60	51	53	54	60	70	70	66	52	46	39	52	46	29	45.1
	Minimum	34	9	9	2	−4	0	5	−13	−12	−7	−7	19	...	...	21	22	25	38	33	30	30	30	25	25	42	27	29	30	30	30	28	[b]18.3
Birch Tree (near)	Maximum	48	33	35	20	28	34	24	8	29	24	45	56	53	53	53	59	60	60	50	52	56	60	69	70	68	53	49	48	56	47	45	46.6
	Minimum	22	7	17	−1	−9	−8	3	−24	−3	−17	4	20	23	31	23	22	31	41	31	26	28	32	22	35	40	35	35	27	23	35	25	18.6
Caruthersville §§	Maximum	58	28	29	22	24	32	20	13	25	18	39	53	53	58	52	56	62	52	51	51	54	56	64	70	67	59	52	48	51	54	57	46.1
	Minimum	36	17	19	14	8	2	5	−8	−2	−6	−3	7	30	31	28	25	25	31	45	30	28	29	28	32	38	34	37	42	28	28	34	22.3
Crystal City	Maximum	49	24	22	17	22	32	28	16	29	22	40	46	53	56	54	50	60	65	49	50	53	54	70	66	65	56	47	38	51	48	39	44.2
	Minimum	20	11	8	1	−4	−2	2	−9	8	−9	11	29	18	27	19	19	24	35	30	19	23	24	20	35	37	24	30	31	22	38	25	18.3
Doniphan	Maximum	53	34	29	24	28	34	25	11	33	24	44	62	54	58	59	59	62	51	56	57	59	64	67	74	70	51	56	47	51	50	51	48.3
	Minimum	24	11	21	8	−2	−5	−2	−24	4	−14	3	19	20	25	18	19	26	39	29	22	26	28	21	32	33	25	38	31	20	39	28	18.1
Farmington	Maximum	50	28	29	23	20	32	30	13	28	22	40	53	51	51	54	55	58	55	52	49	51	52	67	66	65	59	46	37	50	46	46	44.5
	Minimum	24	11	10	3	1	8	3	−8	7	−5	11	30	23	35	23	26	31	45	33	29	30	33	25	41	42	29	32	29	39	40	25	22.5
Jackson	Maximum	53	32	27	26	20	28	24	10	29	25	34	51	47	51	51	52	56	56	54	48	50	50	60	67	64	61	48	38	48	51	52	44.0
	Minimum	31	15	21	4	−4	4	5	−14	6	−8	7	26	24	32	24	25	29	35	32	27	26	32	26	38	39	29	35	31	25	39	28	21.3
Poplar Bluff	Maximum	52	32	27	22	25	31	21	10	21	17	41	56	50	56	52	52	59	50	50	52	56	55	62	69	67	47	52	41	48	53	39	44.6
	Minimum	25	13	22	8	−1	−3	3	−20	7	−4	10	25	26	30	24	25	31	33	32	29	28	31	28	37	39	34	37	32	25	38	25	21.6
Rolla	Maximum	46	21	20	10	22	30	15	12	23	24	40	51	53	48	52	58	61	52	47	49	50	54	70	62	61	49	44	42	53	43	30	41.7
	Minimum	11	7	10	0	−1	9	−4	−6	−2	−7	21	32	28	27	24	30	36	32	31	27	28	30	35	43	40	38	28	28	28	30	19	21.0
St. Louis	Maximum	48	24	23	11	20	30	8	15	24	22	39	49	51	48	53	49	59	53	46	47	48	51	67	61	60	58	47	39	45	45	34	41.1
	Minimum	15	11	11	1	5	8	−1	−2	0	−5	19	35	31	33	29	35	35	33	31	31	35	36	44	40	42	31	34	30	34	24	23	23.9
Salem	Maximum	47	25	20	19	22	31	29	12	25	25	41	54	53	52	54	58	59	55	40	49	52	55	70	65	63	48	45	42	52	44	39	43.4
	Minimum	16	8	12	0	−4	4	2	−8	7	−7	11	30	21	35	22	22	33	40	31	28	27	30	24	44	38	28	30	27	28	39	22	20.7
Sikeston §§	Maximum	56	30	27	19	23	30	11	12	27	20	37	50	52	57	52	55	61	49	50	53	54	54	68	68	65	48	40	42	52	53	34	43.9
	Minimum	37	17	17	5	−1	−1	4	−12	−10	−9	−5	19	26	30	24	28	30	37	33	29	28	28	31	38	38	34	38	32	29	30	32	21.2
Union	Maximum	44	26	24	24	27	35	28	15	28	28	46	56	56	52	56	58	65	57	53	53	54	58	72	64	66	58	52	41	56	50	45	46.7
	Minimum	20	9	10	1	1	5	−2	−5	10	−6	17	29	19	27	21	20	25	46	31	26	24	26	21	32	36	25	30	29	27	41	24	20.0
West Plains	Maximum	48	27	24	18	27	30	16	11	29	19	42	56	53	54	54	58	61	59	52	52	55	62	70	69	66	46	56	50	52	46	32	45.0
	Minimum	14	8	15	4	−8	−9	−17	−23	−1	12	8	24	23	27	21	23	26	38	31	32	28	29	25	38	31	30	30	28	32	24	21	17.7
Cairo, Ill.	Maximum	56	27	27	22	20	26	20	10	22	12	34	46	49	52	48	54	59	51	47	48	49	52	61	65	65	59	50	39	49	54	45	42.5
	Minimum	22	17	22	10	8	8	0	−5	7	−2	12	32	30	36	28	33	38	37	34	33	32	38	35	48	42	39	32	32	32	42	30	25.9

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI FEBRUARY 1942 No. 2

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GENERAL SUMMARY

February 1942 was a damp, gloomy month with deficient sunshine, frequent precipitation, and heavy snowfall over most of the northern half of the State.

The temperature averaged practically normal over the Northern and Southwestern Divisions, but there was deficiency of approximately two degrees over the Southeastern Division. Daytime temperatures averaged higher than normal for the month, while night temperatures averaged lower than normal. The month opened rather cold, but this was of short duration and by the third a warm period began, which continued until the sixth. There was another warm period from the 12th to 16th, after which the temperature averaged below normal practically every day, with the coldest period from the 17th to 20th. The 4th, 5th, 6th, 14th and 21st were the warmest days, when maximum readings ranged from the high forties to the low seventies, and the 17th, 18th, 19th and 25th were the coldest days, when minimum readings ranged from 16° above to 10° below zero.

Precipitation this month averaged slightly less than one inch above normal, for the State as a whole, but the distribution over the State varied considerably. There was an excess of 1.82 inches over the Northern Division, 0.56 inch over the Southeastern Division and 0.41 inch over the Southwestern Division. The frequency of precipitation was unusual, averaging ten days on which 0.01 inch or more occurred, which is the highest of record for any February, except in 1900, when the average for that month was also ten days.

Snowfall for February was rather heavy, particularly over the Northern Division, where the average for the month was 12.2 inches. Only two Februarys in the last decade have had more snow than the current month. These were in 1939 and 1934, with averages of 8.6 inches and 7.0 inches, respectively, as compared with 6.6 inches for this month. A particularly heavy snowfall occurred over the Northwestern Counties on the 22-23d, accompanied by high wind which caused it to drift badly, blocking roads and highways and generally tying up traffic in that area. The small community of Pattonsburg was isolated for a time by the deep drifts and blocked highway.

The weather of the past month was not particularly favorable for outdoor work and early preparations for spring planting. However, the heavy snowfall was very favorable in protecting the winter wheat crop and further adding to the sub-soil moisture reserve, which is in the most favorable condition for many years at this time of year. There were numerous reports of damage to wheat because of heaving and alternate thawing and freezing and lack of protection by adequate snow cover during the winter. This condition was less severe in the more northern portions of the State, where there was enough snow to afford protection. Some plowing was done in the southern portions this month, but over most of the State the ground was too wet for this work. A very small acreage of oats was sown, where the ground was well drained, but the bulk of the crop remained to be sown at the close of the month. Supply of water was more than adequate in all sections for present and immediate future needs. Warm, sunshiny weather was badly needed the latter part of the month to dry out the ground so it could be prepared for early seeding and planting.—M. R. W.

(Continued on page 9)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.07*	30.41*	18	29.33*	5	8.3	27	nw.	6	89*	72*	75*	51
Kan. C. Airport	30.06	30.45	18	29.43	5	10.5	33	nw	6	85	70	73	47
St. Joseph	30.19*	30.44*	18	29.51*	5	9.2	27	nw.	6	96*	77*	85*	44
St. Louis	30.07*	30.38*	2	29.25*	6	11.5	30	nw.	6	80	68	68	42
Springfield	30.04	30.45	18	29.35	5	12.3	38	sw.	4	87	68	71	46
Cairo, Ill.	30.07§	30.40	2	29.28	6	9.1	42	sw.	6	82	72	..	36

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	33.0	73	−17	2.22	2.04	2.22	2.39	....	7	..	..	..
1889	29.3	73	− 9	2.74	1.80	3.12	3.30	....	7	..	..	..
1890	35.5	81	− 8	2.71	1.12	2.04	4.97	....	7	..	..	..
1891	32.7	78	−13	2.45	2.05	2.33	2.96	2.4	6	..	..	..
1892	37.7	71	2	4.31	3.47	5.40	4.06	....	9	7	6	16
1893	27.9	65	−20	2.17	2.02	1.49	2.99	4.6	6	10	7	11
1894	30.8	72	−12	2.70	2.15	2.01	3.93	11.2	6	10	8	10
1895	23.6	77	−26	0.57	0.48	0.55	0.67	3.3	5	10	10	8
1896	35.6	81	−10	1.67	1.50	1.22	2.30	4.1	5	12	8	9
1897	34.8	74	−15	2.51	1.47	2.79	3.27	8.2	7	7	7	14
1898	35.4	78	− 9	1.61	1.54	1.47	1.81	0.8	5	13	6	9
1899	20.4	72	−32	2.30	1.75	2.06	3.10	5.3	6	12	8	8
1900	26.2	70	−16	4.00	3.87	3.35	4.77	16.6	10	10	6	12
1901	28.1	76	−19	1.74	1.41	1.51	2.31	7.6	6	13	7	8
1902	24.0	72	−17	1.62	0.89	2.10	1.88	5.5	5	11	8	9
1903	29.8	74	−25	3.25	1.98	3.34	4.42	5.8	7	11	6	11
1904	30.0	82	−18	1.02	0.64	0.63	1.78	1.5	5	11	8	10
1905	21.5	69	−40	1.68	1.72	1.69	1.63	13.2	8	11	6	11
1906	33.7	73	−13	2.42	2.66	2.17	2.43	4.8	7	15	6	7
1907	34.8	77	−15	1.28	0.79	0.92	2.12	4.5	6	12	5	11
1908	35.6	78	− 7	4.32	2.83	4.20	5.94	4.1	9	13	6	10
1909	38.8	71	− 4	3.24	2.37	2.52	4.82	3.1	9	13	5	10
1910	28.3	72	−24	2.17	0.92	1.89	3.71	10.2	6	13	5	10
1911	38.1	87	0	3.78	4.09	3.99	3.27	6.7	8	12	5	11
1912	28.3	72	−12	2.51	1.99	2.56	2.98	14.5	6	10	7	12
1913	29.8	78	− 9	2.15	2.08	2.62	1.75	8.5	7	12	5	11
1914	28.3	75	−11	2.80	2.03	2.55	3.83	14.0	7	12	6	10
1915	39.4	72	7	3.07	2.48	3.53	3.21	4.1	8	9	5	14
1916	31.4	78	−12	0.98	0.79	0.73	1.42	5.0	5	13	6	10
1917	30.5	83	−22	0.42	0.16	0.24	0.85	1.4	2	14	7	7
1918	34.9	85	−25	1.06	1.25	0.80	1.12	0.6	4	15	6	7
1919	35.3	71	−10	1.96	1.98	2.08	1.82	6.4	7	13	4	11
1920	34.5	78	− 5	0.62	0.33	0.40	1.14	1.2	4	11	6	12
1921	40.1	86	5	1.03	0.55	0.74	1.79	1.8	4	14	6	8
1922	35.4	80	− 5	1.83	1.37	1.62	2.49	1.9	5	14	6	8
1923	30.2	75	− 9	1.58	0.52	1.26	2.97	1.4	5	13	5	10
1924	33.8	79	− 5	1.84	1.58	1.92	2.03	8.1	7	14	4	11
1925	38.7	78	1	1.88	1.85	1.42	2.37	1.7	6	12	6	10
1926	39.4	76	− 4	2.07	1.93	1.81	2.46	2.9	6	11	6	11
1927	41.3	78	1	1.07	1.07	0.90	1.25	2.3	5	10	8	10
1928	37.0	73	− 2	2.27	2.18	2.17	2.47	1.8	7	12	6	11
1929	25.0	64	−23	1.96	1.31	1.72	2.86	9.4	7	10	5	13
1930	44.5	89	− 5	1.75	0.95	1.49	2.80	1.3	4	13	8	7
1931	40.9	75	5	2.49	1.46	2.82	3.20	0.8	6	12	6	10
1932	42.4	83	− 3	1.47	1.00	0.99	2.43	2.0	6	12	7	10
1933	32.2	78	−22	1.45	0.74	1.26	2.35	4.2	5	14	7	7
1934	32.5	79	−26	1.34	1.00	1.32	1.70	7.0	5	15	6	7
1935	37.4	80	0	1.54	1.63	1.45	1.55	0.2	5	10	6	12
1936	23.2	78	−25	1.50	1.43	1.33	1.73	4.1	6	12	7	10
1937	32.4	74	−15	1.38	1.20	1.46	1.48	3.5	6	11	7	10
1938	41.4	80	− 5	3.20	1.47	3.60	4.54	5.0	7	8	6	14
1939	33.0	71	− 9	3.17	1.73	2.70	5.08	8.6	9	11	6	11
1940	33.5	78	−11	1.59	1.11	1.37	2.28	5.5	9	7	6	16
1941	32.7	66	0	0.58	0.50	0.62	0.63	2.2	5	10	7	11
1942	33.0	74	−10	3.00	3.43	2.35	3.23	6.6	10	8	7	13
	....	..	....	....	....	....	....	...	..	..	..	..
Period	33.1	89	−40	2.07	1.61	1.94	2.67	5.1	6	12	6	10

Natural History Library

Climatological Data for February 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	28.6	.....	58	21	− 1	25	13	3.26	+1.64	1.00	23-24	12.9	12	10	7	11	n.	Curtis E. Grace
Bethany	Harrison	916	47	28.3	+ 0.8	54	21	0	25	49	3.96	+2.54	1.10	5	14.5	9	8	7	13	se.	A. S. Cumming
Brookfield	Linn	767	1	31.0	.....	56	21	0	25	1	4.54	.....	1.22	6	12.5	10	7	9	12	nw.	E. W. Patrick
Brunswick	Chariton	652	61	29.8	0.0	59	5	5	26	63	4.74	+2.93	1.69	23-24	17.7	14	10	0	18	se.	O K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	29.3	.....	45	4	3	18	12	3.80	+2.54	1.65	4-5	5.9	11	6	7	15	se.	Lockmaster
Chillicothe	Livingston	779	33	28.6	− 3.7	55	21	5	17†	36	4.46	+3 01	1.38	6	17.6	9	11	4	13	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	30.2	0.0	55	5	3	18†	33	3.93	+2.19	1.46	23	14.4	10	7	5	16	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	32.4	0.0	62	5	6	18	52	3.65	+1.61	1.24	22-23	10.4	14	5	10	13	nw.	U. S. Weather Bureau
Conception	Nodaway	980	53	27.6	− 0.6	52	3	0	17	58	2.24	+1.09	0.81	23	16.3	9	5	10	13	nw	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	33.1	− 0.7	60	4	1	20	11	5.61	+3.95	1.50	9	7.0	7	4	12	12	nw.	Ray E. Mills
Fayette	Howard	760	62	31.6	+ 1.0	61	4	2	18	59	3.71	+2.01	1.12	23	13.7	10	6	7	15	nw.	Irvin E. Sehnell
Fulton	Callaway	818	54	....	.....	..	..	....	..	50	....	.....	....	.....	....	..	..	..	..	.....	.....
Grant City	Worth	1,134	38	27.2	− 1.4	51	3	1	17†	50	2.20	+1.09	0.65	23	26.7	9	6	9	13	nw.	Howard Rybolt
Hannibal	Marion	759	50	29.1	− 0.6	47	4	4	18	58	4.28	+2.42	1.50	4	11.4	11	6	6	16	e.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	32.2	+ 1.0	58	4	8	17	53	3.16	+1.41	1.28	22-23	5.1	14	5	7	16	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	32.9	.....	57	4†	5	18	4	2.59	.....	1.09	23	2.7	10	7	5	16	nw.	University of Kansas City
Kidder	Caldwell	1,020	50	29.1	+ 0.7	53	21	3	25	54	4.66	+3.12	1.78	6	13.9	13	8	4	16	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	28.8	+ 1.7	51	21	3	17	60	3.21	+1.68	1.05	4	7.3	9	7	9	15	nw.	Howard Coons
Lawson	Ray	1,070	4	30.1	.....	55	21	3	18	4	3.68	.....	1.48	23	13.1	12	6	6	16	nw.	Elmer E. Lamb
Louisiana	Pike	469	48	29.3	− 1.6	55	4	2	12	61	2.05	−0.03	0.70¶	10	10.8	7	10	6	12	e	Stark Bro's Nurseries
Macon	Macon	875	43	30.1	+ 0.5	60	21	4	18	49	4.26	+2.56	0.92	6	15.1	12	7	6	15	uw	John W. Atwell
Maryville	Nodaway	1,169	52	27.0	+ 1.2	51	3	1	17†	48	1.90	+0.47	0.55	23	18.5	11	8	3	17	uw.	R. B. Montgomery
Memphis	Scotland	787	3	26.7	.....	45	21	3	17†	12	3.48	+2.51	1.20	6	10.0	7	4	3	21	nw.	John W. Alexander
Mexico	Audrain	800	53	28.6	− 1.5	57	5	5	18	64	3.96	+2.11	1.15	23	16.0	13	14	3	11	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	31.0	.....	60	5	3	18	5	4.10	.....	1.30	23	13.7	6	7	10	11	nw.	Beverly Coomes
Oregon	Holt	1,048	86	29.2	+ 0.4	55	3†	3	17†	86	2.20	+0.83	0.60	14†	13.0	9	9	10	9	ne.	Miss Mina Wright
St. Charles	St. Charles	520	54	32.8	− 0.5	67	4	9	18†	64	3.07	+1.08	0.67	24	7.7	11	4	15	9	s.	Martin L. Comann
St. Joseph	Buchanan	957	52	29.6	0.0	56	3	5	17	70	2.87	+1.20	1.31	22-23	15.5	13	4	7	17	nw.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	29.6	.....	47	4	6	18	4	3.45	.....	1.21	4-5	11.0	13	5	11	12	nw.	Lockmaster
Shelbina	Shelby	779	1	28.8	.....	50	21	2	18	49	3.86	+2.02	1.32	6	10.8	10	6	5	17	ne.	Guyman Hatcher
Steffenville	Lewis	650	44	27.8	− 1.9	46	21	5	18†	49	3.65	+1.88	1.55	5	6.0	10	6	10	12	e.	Frank Hall
Tarkio	Atchison	916	39	27.2	− 1.8	50	3†	0	18	48	1.50	+0.22	0.57	23-24	12.0	8	2	12	14	ne.	Albert Volker
Trenton	Grundy	822	46	29.6	+ 0.2	48	4†	3	25	47	4.01	+2.43	1.37	6	17.5	11	3	12	13	n.	W. H. Estes
Unionville	Putnam	1,062	49	26.4	− 0.3	51	21	0	18	49	2.76	+0.99	1.00	6	12.2	10	8	9	11	e.	C. D. Wilson
Warrenton	Warren	816	60	32.9	+ 2.0	61	14	4	19	52	2.91	+1.02	0.90	23	10.5	10	4	11	13	ne.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	70	28.4	+ 0.1	50	4	4	17	70	3.38	+1.83	1.03	4	4.7	8	3	9	16	e.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**29.6**	**− 0.2**	**67**	**4**	**− 1**	**25**	..	**3.43**	**+1.82**	**1.86**	**6**	**12.2**	**10**	**6**	**8**	**14**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	38	36.7¶	+ 1.0	..	..	− 9	18	43	1.77	−0.01	0.36	15	2.8	8	13	6	9	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	33.6	− 0.3	63	5	− 3	18	50	1.53	−0.14	0.60	23	4.0	10	11	0	17	ne.	Rolla Brown
Bolivar	Polk	1,071	39	35.2	0.0	70	5	− 3	18	47	2.49	+0.39	0.99	23	4.2	8	11	6	11	sw.	Southwest Baptist College
Boonville	Cooper	650	4	29.3	.....	59	4	5	18†	65	2.63	+0.85	1.20	6	3.5	11	6	8	14	se.	Boonville Water Dept.
Carthage	Jasper	962	8	36.2	.....	73	5	− 7	18	18	2.38	.....	0.68	9	7.5	7	13	4	11	n.	Carthage W. and E. Plant
Clinton	Henry	786	49	33.4	− 0.2	67	5	1	18	55	2.47	+0.52	0.77	22-23	2.3	12	6	12	10	e.	U. S. Weather Bureau
Eldon	Miller	934	47	32.1	− 1.0	67	5	1	19	43	2.17	+0.35	0.92	23	7.0	7	6	9	13	ne.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	35.8	.....	66	4†	5	18	1	1.60	.....	0.72	23	1.3	6	8	8	12	n.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	30.2	− 0.5	62	5	0	18	67	1.76	+0.03	0.49	15	3.4	10	12	0	16	nw.	John H. Patterson
Jefferson City	Cole	557	52	30.8	− 1.3	65	5	4	18†	60	2.40	+0.64	0.82	23	6.8	10	4	4	20	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	36.5	+ 0.7	72	5	4	18	37	2.26	+0.58	0.83	9	....	9	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	33.6	− 0.4	69	5	8	18	11	2.62	+0.80	1.13	23	7.0	11	..	..	..	nw	W. S. Frame
Lamar	Barton	980	54	32.7	− 2.6	73	5	− 6	18†	61	1.75	−0.02	0.50	9-10	4.0	7	12	4	12	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	31.6	− 2.8	65	5	− 3	19	55	2.58	+0.39	0.95	23	6.8	8	7	8	13	nw	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	32.0	+ 1.0	60	5	6	18	58	3.41	+1.57	0.84	6	8.2	10	9	9	10	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	36.2	− 0.8	72	5	− 1	18	46	2.00	+0.27	0.60	9	4.5	9	13	7	8	se.	Hubert A. Nieman
Marshall	Saline	779	55	31.6	+ 0.7	59	4	5	18†	52	3.53	+1.75	1.28	6	5.5	9	15	4	9	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	34.8	− 0.3	64	4	3	18	45	3.21	+0.98	1.02	23	4.3	10	6	11	11	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	35.7	+ 1.2	74	5	− 4	18	42	2.40	−0.20	0.90	16	4.8	6	9	6	13	nw.	G. H. Boswell
Neosho	Newton	1,011	55	37.4	− 0.2	73	5	−10	18	59	2.19	+0.20	0.66	16	5.0	6	11	5	12	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	36.2	+ 2.3	73	5	− 2	18	50	1.34	−0.41	0.54	23	3.0	6	10	9	9	ne.	Henry Kraft
Ozark Beach	Taney	709	2	36.4	.....	73	5	7	19	17	3.28	+1.48	0.75	16	4.5¶	11	9	4	15	n.	V. Smith
Sedalia	Pettis	910	29	34.1	+ 3.7	63	5	4	18	31	3.14	+1.00	1.05	23	5.5	10	10	8	10	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,512	41	36.2	− 1.3	70	5	− 1	18	39	2.04	+0.20	0.80	16	3.0	4	12	8	8	w.	Floyd E. Fawver
Seymour(near)	Webster	1,642	36	34.0	− 1.0	66	5	− 2	19	36	2.65	+0.47	0.89	23	6.2	8	11	5	12	nw	A. L. Hailey
Springfield	Greene	1,301	54	33.9	− 1.3	70	5	0	19	54	2.19	−0.16	0.69	22-23	6.5	11	7	8	13	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	33.3	.....	62	5	1	18	1	3.00	.....	1.07	23	10.5	11	6	18	4	ne.	H. F. Nelson
Warrensburg	Johnson	878	55	33.8	+ 1.3	65	5	0	18†	62	2.01	+0.13	0.66	23	6.0	11	4	9	15	e.	E. A. Markey
Warsaw	Benton	687	41	34.6	− 1.0	69	5	3	18	47	1.79	−0.45	0.82	23	0.7¶	9	1	19	8	uw.	Everett Martin
Wasola	Ozark	1,294	1	36.8	.....	69	5	5	19	2	3.18	.....	1.39	23	2.4	9	12	6	10	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**34.2**	**− 0.1**	**74**	**5**	**−10**	**18**	..	**2.35**	**+0.41**	**1.39**	**23**	**4.9**	**9**	**9**	**7**	**12**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	5	35.0	.....	60	5	11	19	5	3.26	.....	1.11	23	1.3	8	8	5	15	nw.	U. S. Weather Bureau
Arcadia	Iron	926	61	34.2[a]	+ 0.1	66	5	9	19	64	4.27	+1.79	1.03	24	3.2	12	8	6	14	e.	Arcadia College
Birch Tree(near)	Shannon	1,000	47	34.3	− 2.0	60	14	5	19	48	2.83	+0.33	1.00	23	2.5	8	10	6	12	n.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	37.9	.....	61	5†	16	19	11	4.09	+0.44	1.54	16	T. ¶	8	9	6	13	n.	Paul B. Hutchens
Campbell	Dunklin	314	16	38.6	− 3.5	61	5†	15	19	16	4.18	+0.85	1.23	16	0.5	11	9	5	14	uw.	Mrs. W. J.Christian
Caruthersville	Pemiscot	265	46	37.2	− 3.1	65	4	15	19†	50	4.23	+0.85	1.35	16	T.	7	11	1	16	e.	Victor T. Malloure
Crystal City	Jefferson	420	8	34.0	.....	60	5†	4	19	8	2.62	.....	1 43	24	1.4	7	4	1	23	w.	Frank Magre
Doniphan	Ripley	344	38	36.3	− 3.0	64	14	8	19	38	3.27	−0.04	1.23	23	0	9	10	5	13	nw.	Boyce Lackey
Farmington	St. Francois	896	31	34.8	− 2.1	65	5	9	19	45	3.08	+0.56	1.19	23	2.4	9	6	7	15	s.	F. M. Karsch
Goodland	Iron	1,000	49	33.9	− 0.4	63	5	− 1	19	49	3.00	+0.72	1.03	23	2.7	8	11	5	12	n.	F. M. Adams
Greenville	Wayne	381	33	36.0	+ 0.2	61	14	6	19	35	3.08	+0.36	1.14	23	1.0	13	6	6	16	n	Beuford Shoemake
Jackson	Cape Girardeau	428	51	36.0	− 0.5	59	6	10	19	52	4.71	+1.83	1.13	23	2.0	12	8	1	19	n.	John G. Putz
Koshkonong	Oregon	958	41	36.8	− 2.3	62	5	11	18†	42	2.92	+0.06	1.39	23	0.5	9	7	6	15	se.	R. M. Hitt
Licking(near)	Texas	1,170	5	35.4	.....	70	14	− 2	19	5	3.28	.....	1.20	23	4.2	9	7	11	10	nw	U. S. Forestry Service

Continued on next page

Climatological Data for February 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Marble Hill	Bollinger	470	47	35.0	− 1.6	59	6†	8	19	49	2.64	−0.41	0.61	4	2.0¶	8	9	6	13	n.	R. A. DeWitt
Poplar Bluff	Butler	339	37	36.3	− 1.8	60	5†	11	18	38	2.36	−0.53	0.68	6	0.5	6	8	10	10	nw.	B. R. Wheetley
Rolla	Phelps	1,202	42	32.8	− 3.5	65	5	4	18†	58	2.52	+0.47	1.13	22-23	3.5	12	3	9	16	nw.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	34.0	− 0.8	59	14	9	18	105	2.54	−0.02	0.81	23-24	9.3	12	6	9	13	nw.	**Section Center**
St. Louis Airport	St. Louis	556	5	33.0	.....	61	14	9	18	11	2.53	.....	0.62	23	9.1	10	7	5	16	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	33.2	− 1.7	59	14	9	18	30	2.41	+0.10	0.87	23	10.8	15	7	5	16	se.	St. Louis University
Salem	Dent	1,173	38	34.6	− 1.2	65	5	6	18†	41	3.63	+1.35	1.17	16	1.5	7	10	6	12	s.	E. E. Martin
Sikeston	Scott	318	35	36.2	− 1.0	62	14	14	19	45	3.99	+0.77	0.74	16	1.2	12	9[a]	6[a]	12[a]	s.	Mrs. Hazelle P. Young
Union	Franklin	520	4	35.0	.....	69	5	7	18†	25	2.49	+0.29	1.05	23	2.5	8	10	2	16	nc.	Robert Mueller
Wappapello Dam	Butler	475	3	35.0	.....	61	14	11	19	3	3.46	.....	1.39	23-24	0.5	10	8	6	14	se.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	33.3	.....	62	5†	8	18†	2	2.92	.....	1.22	23-24	3.0	10	3[b]	8[b]	9[b]	n.	John A. Kettinger
West Plains	Howell	1,005	5	34.9	.....	65	5	11	18†	5	2.52	.....	....	.....	3.0	12	6	8	14	nw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	34.9	.....	63	4†	0	19	35	2.70	+0.14	1.30	23	2.0	6	9	8	11	nw.	T. N. Davis
Cairo, Ill.	Alexander, Ill.	315	70	36.7	− 1.8	60	5	16	18	71	4.52	+1.39	1.22	23-24	1.3	11	5	6	17	nw.	U. S. Weather Bureau
.....	.....	.....	..	....	.....	..	..	....	..	..	....	.....	....	.....	....	..	..	..	..	.....	.....
Division means	**and extremes**	.....	..	**35.2**	**− 1.7**	**70**	**14**	**− 2**	**19**	..	**3.23**	**+0.56**	**1.54**	**16**	**2.6**	**10**	**8**	**6**	**14**	**nw.**	
State means	**and extremes**	.....	..	**33.0**	**− 0.1**	**74**	**5**	**−10**	**18**	..	**3.00**	**+0.93**	**1.86**	**6**	**6.6**	**10**	**8**	**7**	**13**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leouard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 7)

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 33.0°, or 0.1° below normal. The highest monthly mean was 38.6° at Campbell, and the lowest monthly mean was 26.4° at Unionville. The highest recorded was 74° at Mount Vernon on the 5th, and the lowest was 10° below zero at Neosho on the 18th.

PRECIPITATION

The average for the State, 158 stations reporting, was 3.00 inches, or 0.93 inch more than normal. The greatest local monthly amount was 5.61 inches at Elsberry, and the least local monthly amount was 1.24 inches at Van Buren. The greatest amount in any twenty-four hours was 1.86 inches at Edina on the 6th. The average number of days with 0.01 inch or more was 10.

Snowfall averaged 6.6 inches, or 1.5 inches more than normal. The greatest monthly amount was 26.7 inches at Grant City.

MISCELLANEOUS PHENOMENA

Floods.—In Black River at Poplar Bluff on 2d. In Grand River at Chillicothe on 6-7th and 16-17th. In St. Francis River at Fisk on 3d-10th.

Fogs.—Dense, 4th, 5th, 6th, 9th, 11th, 12th, 13th, 14th, 15th, 16th, 18th.

Glaze.—5th, 6th, 9th, 18th, 22d, 23d.

Hail.—Light, on 4th at Arcadia, Columbia, Farber, Fayette, Kidder, Louisiana, Salem, south St. Louis, Shelbina, and Owensville. On 5th at Campbell, Columbia, Mexico, and Wappapello Dam. On 6th at Mexico and Seymour. On 16th at Koshkonong. On 23d at Springfield.

Halos.—Solar, 13th, 17th, 22d, 25th, 28th; lunar, 1st, 5th, 22d, 28th.

Sleet.—2d, 4th, 6th, 7th, 8th, 9th, 11th, 14th, 15th, 16th, 18th, 22d, 23d, 26th.

Thunderstorms.—Local, 3d, 9th, 14th, 15th, 16th, 22d, 23d, 24th, 26th; more or less general, 4th, 5th, 6th.

Windstorm.—A damaging windstorm occurred on the 4th in south St. Louis. Roofs, porches, window glass, chimneys, trees and wires suffered considerable damage but no estimate available.

ERRATA

December 1941, page 69: Monthly amount of evaporation at St. Louis (Washington University) should be blank.

January 1942, page 2: Snowfall at Memphis should be 3.5. Page 5: Precipitation at Advance on 3d should be .08, total should be 3.10; monthly amount of evaporation at Lakeside should be blank. Page 6: Maximum temperature on 7th and minimum temperature on 12th at West Plains should be 20 and 25, respectively; mean maximum should be 45.1.

Daily Precipitation for February 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Northern Division																																	
Albany	Grand	....	.04	....	.07	....	.63	....	.10	.16	....	.02	....	....	.47	.38	.28	....	....	....	....	....	....	.80	.20	....	.11	....	....	....	....	....	3.26
Amity[2]	....do	....	.08	T.	.10	.08	1.35	....	....	.16	.05	T.	.03	....	T.	.57	.39	T.	.01	....	....	....	....	.56	.75	....	.09	.06	....	....	....	....	4.28
Bethany	....do	....	.56	....	....	1.10	....	....	.05	.35	....	....	....	....	.36	.45	.17	....	....	....	....	....	....	.85	....	....	.07	....	....	....	....	....	3.96
Bowling Green[2]	Mississippi	....	....	....	.20	.23	.55	.38	....	....	.39	....	....	....	....	....	.20	....	.03	....	....	....	....	*	.37	....	.04	....	....	....	....	....	2.39
Brookfield	Grand	....	.10	....	1.12	.01	1.22	....	....	.05	....	T.	....	....	.49	.50	.20	....	T.	....	....	....	....	.70	.15	....	T.	....	....	....	....	....	4.54
Brunswick[2]	....do	....	.01	.20	.53	.23	1.15	.02	....	.05	.12	....	T.	....	....	.52	.13	....	.05	....	....	....	....	.75	.94	....	T.	.04	....	....	....	....	4.74
Canton, Lock No. 20[2]	Mississippi	....	T.	T.	.26	1.39	.97	.29	....	T.	.34	....	.01	....	....	.26	.04	T.	.02	T.	T.	....	....	T.	.19	T.	.03	T.	....	....	....	....	3.80
Centralia[2]	....do	....	T.	....	.20	.08	.75	.04	....	.02	.48	....	....	....	....	.07	.08	....	.03	....	....	....	....	1.23	.30	....	....	....	....	....	....	....	3.28
Chillicothe[2]	Grand	....	.15	T.	.26	.39	1.38	....	....	.01	....	....	....	....	....	.69	.23	T.	T.	....	....	....	....	*	1.35	....	T.	T.	....	....	....	....	4.46
Clifton Hill	Chariton	....	.15	....	.82	....	.82	....	....	.03	....	T.	....	....	.20	.20	....	....	.03	....	....	....	....	1.46	.20	....	.02	....	....	....	....	....	3.93
Columbia [1]‡	Missouri	T.	.02	....	.21	.71	.23	....	T.	.63	....	....	....	T.	.06	.31	.03	.03	.02	T.	....	....	.25	1.06	.08	....	.01	T.	....	....	....	....	3.65
Conception	....do	....	.22	....	T.	....	.21	....	.04	.14	....	T.	....	T.	.25	.35	....	....	T.	....	....	....	....	.81	.13	....	.09	....	....	....	....	....	2.24
Edina[2]	Mississippi	....	....	T.	.19	1.25	1.86	T.	....	T.	.21	....	.03	....	....	.46	.10	....	T.	....	....	....	....	....	.30	....	.03	.04	....	....	....	....	4.47
Elsberry	....do	.20	....	....	1.30	....	1.20	....	....	1.50	....	....	....	....	....	.75	.30	....	....	....	....	....	....	.36	....	....	....	....	....	....	....	....	5.61
Farber[2]	....do	....	....	....	.05	.62	.55	.05	....	....	.50	....	....	....	....	....	.23	....	T.	....	....	....	....	.39	.05	....	T.	T	....	....	....	....	2.44
Fayette	Missouri	....	.12	....	.28	....	1.07	....	....	.23	....	....	....	....	T.	.13	.15	....	.06	....	....	....	....	1.12	.50	....	.05	....	....	....	....	....	3.71
Fulton[2]	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....
Gallatin[2]	Grand	....	.05	..	.08	.60	1.26	....	....	.15	.08	....	....	....	.08	.53	.32	....	.01	....	....	....	....	.65	.90	....	.08	T.	....	....	....	....	4.74
Gorin	Mississippi	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Grant City	Grand	....	.68	....	....	....	.15	....	.20	.20	....	T.	....	T.	.48	.35	.06	....	T.	....	....	....	....	.65	T.	....	.03	T.	....	....	....	....	2.20
Hannibal[3]	Mississippi	....	....	....	1.50	.67	.66	....	....	.90	....	T.	.02	....	.02	.13	.02	T.	.03	....	....	....	....	.30	T	....	.03	....	....	....	....	....	4.28
Hermann[2]	Missouri	....	....	T.	.07	.10	.01	.23	....	....	.30	....	....	.01	....	.14	.14	.22	.05	....	....	....	....	.80	.55	....	.01	.03	....	....	....	....	2.66
Kahoka[2]	Mississippi	....	....	....	....	.46	1.15	T.	....	....	.24	....	....	....	....	.10	.14	....	T.	....	....	....	....	.30	T.	....	....	T	....	....	....	....	2.39
Kansas City Airport [1]‡	Missouri	T.	.04	T.	.20	.42	.02	....	T.	.05	T.	T	T.	T.	.55	.34	T.	.03	.01	....	....	....	.34	1.04	.03	.06	.03	T	....	....	....	....	3.16
Kansas City University	....do	....	.05	....	T.	.24	.07	....	T.	.02	....	T	....	T.	.33	.54	T.	T.	.02	....	....	....	T.	1.09	.11	....	.12	T.	....	....	....	....	2.59
Kidder[2]	Grand	....	.05	....	.09	.68	1.78	....	....	.08	.05	....	.02	....	....	.46	.28	....	.05	....	....	....	....	.82	.25	....	.05	....	....	....	....	....	4.66
King City	Missouri	....	.07	....	.30	....	.80	....	.04	.20	....	.07	....	T.	.60	.42	.02	....	....	....	....	....	....	1.56	....	....	.09	....	....	....	....	....	4.17
Kirksville	Mississippi	....	T.	....	1.05	T.	.81	....	....	.13	T.	.04	....	....	.22	.38	....	....	T.	....	....	....	....	.47	.05	....	.06	....	....	....	....	....	3.21
La Belle[2]	....do	T.	....	.03	.46	1.50	1.00	.02	....	....	.22	....	....	....	....	.46	.04	....	....	....	....	....	....	....	.44	....	.02	T	....	....	....	....	4.19
Lawson	Missouri	....	.03	....	.21	T.	.81	....	T.	.05	....	.06	....	....	.28	.47	.04	T.	.02	....	....	....	T.	1.48	.11	T.	.12	....	....	....	....	....	3.68
Linneus[2]	Grand	....	T.	.04	.27	.66	1.65	....	....	T.	.16	....	.01	....	....	.61	.13	....	T.	....	....	....	....	.84	.22	....	.05	T.	....	....	....	....	4.64
Louisiana	Mississippi	....	....	....	.30	.20	.40	....	....	....	.70	....	T.	....	....	.10	....	....	.05	T.	....	....	....	T.	.30	....	....	T.	....	....	....	....	2.05
Lucerne[2]	Grand	....	....	.03	....	.08	.70	....	....	.23	.04	....	....	....	....	.61	.28	....	T.	....	....	....	....	.03	.11	....	.03	....	....	....	....	....	2.14
Macon[2]	Chariton	....	....	T.	.39	.91	.92	....	....	....	.18	....	.02	....	....	.50	.10	....	.01	....	....	....	....	.70	.50	....	.01	.02	....	....	....	....	4.26
Madison[2]	Mississippi	T.	.01	....	.61	.36	.92	....	....	T	.26	....	....	....	....	.04	.43	....	.03	....	....	....	....	.72	.22	....	.01	....	....	....	....	....	3.61
Maryville	Missouri	....	.07	....	T.	....	.17	....	.02	.11	....	.03	....	T.	.50	.18	.08	T.	....	....	....	....	....	.55	.10	....	.09	....	....	....	....	....	1.90
Memphis[2]	Mississippi	....	....	T.	....	.86	1.20	..	....	....	.35	....	.20	....	....	.27	.15	....	T.	T	....	....	....	....	.45	....	T.	T.	....	....	....	....	3.48
Mexico[2]	....do	....	....	....	.12	.15	.95	....	....	.40	.35	....	....	....	....	.20	.02	.02	.05	....	....	....	....	1.15	.40	....	.10	.05	....	....	....	....	3.96
Milan[2]	Grand	....	T.	.12	.83	....	1.22	....	....	.05	.12	....	.04	....	.02	.40	.23	....	.02	....	....	....	....	.33	.21	....	.07	T.	....	....	....	....	3.66
Moberly	Mississippi	....	....	....	1.20	....	1.00	....	....	.20	....	T.	....	....	....	.22	.18	....	T.	....	....	....	....	1.30	....	....	T.	T.	....	....	....	....	4.10
Monroe City	....do	....	....	....	1.09	....	.82	....	....	.36	....	....	....	....	....	.18	.12	....	T.	....	....	....	....	.50	....	....	....	....	....	....	....	....	3.07
New Florence[4]	Missouri	....	T.	....	.24	T.	.13	T.	....	.23	T.	T.	T.	T.	.03	.37	.02	.01	.01	T.	....	.09	....	.72	.03	T.	.01	T.	....	....	....	....	1.89
Oregon	....do	....	.10	....	....	....	....	....	T.	.10	....	.05	T.	T.	.60	.40	T.	....	.05	....	....	....	....	.60	.10	....	.20	....	....	....	....	....	2.20
Palmyra[2]	Mississippi	....	....	....	.50	1.00	1.25	.16	....	....	.80	....	....	....	....	.16	.24	....	.02	....	....	....	....	....	.20	....	.02	T.	....	....	....	....	4.35
Paris[2]	....do	....	....	....	.48	.17	1.00	.04	....	....	.28	....	....	....	....	.10	.13	....	.03	T.	....	....	....	.73	.22	....	.01	T.	....	....	....	....	3.19
Perry	....do	....	....	....	.55	....	.80	....	....	*	.55	....	....	....	....	....	.09	....	....	....	....	....	....	.50	T.	....	T.	....	....	....	....	....	2.49
Philadelphia[2]	....do	....	....	....	1.62	.97	1.01	....	....	....	.37	....	....	....	....	....	.21	....	....	.05	....	....	....	....	.36	....	....	....	....	....	....	....	4.59
Platte City[2]	Missouri	....	.03	....	.14	....	.31	....	....	.04	T.	....	....	....	.48	....	.41	....	T	....	....	....	....	.85	.05	....	.14	T.	....	....	....	....	2.45
St. Charles[2]	....do	....	....	....	.27	.32	.21	.33	....	....	.65	....	....	.01	....	.05	....	.39	.07	....	....	....	....	....	.67	....	.10	....	....	....	....	....	3.07
St. Joseph[1]‡	....do	....	.08	....	.11	.37	.03	....	.01	.05	T.	.01	....	T.	.34	.35	....	.01	T.	....	....	....	.22	1.20	T	T.	.09	....	....	....	....	....	2.87
Saverton, Lock No. 22[2]	Mississippi	T.	....	T.	.56	.65	.68	.43	....	....	.63	....	.02	....	....	.09	.02	T.	.12	T.	T.	....	....	.05	.16	T.	.01	.03	....	....	....	....	3.45
Shelbina	....do	....	T.	....	1.23	....	1.32	....	....	*	.21	T.	T.	....	.06	.17	.10	....	.02	....	....	....	....	*	.72	....	T.	....	....	....	....	....	3.86
Shelbyville[2]	....do	....	....	....	....	1.67	1.23	....	....	....	.40	....	....	....	....	.37	.09	....	....	....	....	....	....	....	.47	....	....	....	....	....	....	....	4.23
Steffenville[2]	....do	....	T	....	.90	1.55	.15	....	....	....	.07	.20	T	....	....	.40	.05	....	....	.05	....	....	T.	T.	.24	....	.04	....	....	....	....	....	3.65
Tarkio	Missouri	....	.13	....	....	....	.10	....	.12	....	....	....	....	....	.32	.13	....	....	....	....	....	....	....	.42	.15	....	.13	....	....	....	....	....	1.50
Trenton	Grand	....	.04	....	.51	....	1.37	....	T.	.25	T.	.04	....	....	.58	.07	.24	.03	....	....	....	....	....	.68	....	....	.20	....	....	....	....	....	4.01
Troy[2]	Mississippi	....	....	....	.09	.20	.07	.36	....	....	.25	....	....	....	....	.20	.10	.08	.04	....	....	....	....	.44	.51	....	T	.04	....	....	....	....	2.38
Unionville[2]	Chariton	....	....	.02	....	.21	1.00	....	....	.30	.22	....	.01	....	....	.55	....	....	T	....	....	....	....	T.	.40	....	.04	.01	....	....	....	....	2.76
Warrenton	Mississippi	....	....	....	.13	.18	.32	....	....	.30	....	....	....	T.	....	.22	.21	T.	.10	....	....	....	....	.90	.50	....	.05	T.	....	....	....	....	2.91
Keokuk, Iowa[3]	....do	T.	T.	....	1.03	.61	.84	T.	T.	.28	....	.09	T.	....	.33	.10	T.	T.	T.	T.	....	....	....	.10	T.	....	T.	T	....	....	....	3.38
Southwestern Division																																	
Altona[2]	Osage	....	T.	....	.09	....	....	....	....	T.	....	....	....	....	T.	.35	.25	....	.05	....	....	....	....	.59	....	T.	....	....	....	....	....	....	1.33
Anderson (near)	Neosho	....	....	....	....	....	....	.16	....	....	....	....	....	....	.20	.36	.32	.28	....	....	....	....	T.	.22	.03	....	.20	....	....	....	....	....	1.77
Appleton City	Osage	....	.10	....	.08	.01	....	....	....	.09	....	....	....	....	....	.28	.08	....	.20	....	....	....	....	.60	.04	....	.05	....	....	....	....	....	1.53
Bolivar	....do	....	.07	....	T.	....	....	....	....	.75	....	....	....	....	....	.15	.28	T.	.12	....	....	....	....	.99	.03	....	.10	T.	....	....	....	....	2.49
Boonville[2]	Missouri	....	.02	....	.18	....	1.20	....	....	.12	.10	....	....	....	....	.15	.10	....	.01	....	....	....	....	.50	.20	.05	T.	....	....	....	....	....	2.63
Buffalo[2]	Osage	....	....	.10	....	....	....	....	....	....	.65	....	....	....	....	.10	.46	.01	.15	....	....	....	....	.86	.33	....	.03	....	....	....	....	....	2.69
Butler[2]	....do	....	.15	....	....	....	....	....	....	.13	....	....	....	....	....	.40	.43	....	.06	....	....	....	....	.42	....	.05	.07	....	....	....	....	....	1.71
Caplinger Mills[2]	....do	....	.02	....	....	T.	....	....	....	.52	.20	....	....	....	....	.38	.12	....	....	....	....	....	....	.46	.05	T.	.06	T.	....	....	....	....	1.81
Carthage	Neosho	....	....	....	....	....	....	....	....	.68	....	....	....	....	T.	.30	.17	.20	.40	....	....	....	T	.48	....	....	.15	T.	....	....	....	....	2.38
Clinton[4]	Osage	....	.06	T	.02	.54	....	....	....	.18	....	....	....	....	.25	.42	.03	.07	.03	....	....	....	.47	.38	.02	....	T	T.	....	....	....	....	2.47
Concordia[2]	Missouri	....	.01	....	.27	....	.48	....	....	....	....	....	....	....	....	*	.54	....	....	....	....	....	....	.74	.41	....	T.	....	....	....	....	....	2.48
Crocker	Osage	....	.05	....	....	....	.04	....	....	.37	....	....	....	....	....	.21	.32	....	.32	....	....	....	....	1.20	.14	....	T.	....	....	....	....	....	2.65
Eldon[2]	Missouri	....	T.	T.	....	.01	.12	....	....	....	.45	....	....	....	....	.21	.13	....	T.	....	....	....	....	.92	.33	....	....	....	....	....	....	....	2.17
Eldorado Springs	Osage	....	.05	....	.20	T.	....	....	....	.21	....	....	....	....	T.	.39	....	.11	....	....	....	....	....	.56	.01	....	.05	....	....	....	....	....	1.58
Fort Leonard Wood	Gasconade	....	....	....	T.	.01	.06	....	....	.28	....	....	....	....	....	....	.48	....	....	....	....	....	....	.72	....	....	.05	....	....	....	....	....	1.60
Galena[2]	White	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	....	....	....	1.20	.10	....	....	....	....	....	....	....	1.70
Halley	....do	....	....	....	....	....	....	....	....	.21	....	....	....	....	....	.28	.74	.05	.27	....	....	....	....	.97	T.	....	.30	T.	....	....	....	....	2.82
Harrisonville[2]	Osage	....	.07	....	.08	....	.20	....	....	.02	....	....	....	....	....	.49	.20	....	.05	....	....	....	....	.47	.10	....	.08	T.	....	....	....	....	1.76
Higginsville[2]	Missouri	....	....	....	.11	....	.56	....	....	T.	.06	....	....	....	T.	T.	.51	....	....	....	....	....	....	.62	.13	....	.05	....	....	....	....	....	2.04
Jefferson City[2]	....do	....	....	.02	....	.01	.20	....	....	*	.60	....	....	....	....	.13	.11	....	.13	....	....	....	....	.82	.38	....	T.	....	....	....	....	....	2.40
Joplin[3]	Neosho	....	....	....	....	....	.02	....	....	.83	....	....	....	....	.05	.33	.31	.18	....	....	....	....	....	.41	....	....	.12	.01	....	....	....	....	2.26
Lakeside[2]	Osage	....	....	.06	.04	T.	.04	.02	....	.14	.53	....	....	....	....	.25	.15	....	.05	....	....	....	....	1.13	.21	T.	T.	....	....	....	....	....	2.62
Lamar[2]	Neosho	....	....	....	....	....	....	....	....	.40	.10	....	....	....	....	.30	.20	....	.25	....	....	....	....	.35	T.	....	.15	....	....	....	....	....	1.75
Lebanon[2]	Osage	....	.10	....	....	....	....	....	....	.21	.31	....	....	....	....	T	.44	....	.35	....	....	....	....	.95	.09	....	.10	....	....	....	....	....	2.58
Lexington[2]	Missouri	....	.05	..	.05	....	.84	....	....	.02	....	....	....	....	....	.70	.28	....	.07	....	....	....	....	.68	.58	....	.14	....	....	....	....	....	3.41
Lockwood	Osage	....	T.	....	....	....	....	....	....	.60	.02	....	....	....	....	.20	.42	.09	.10	....	....	....	....	.42	.05	....	.10	....	....	....	....	....	2.00
Manes[2]	Gasconade	....	T	.02	....	....	.02	....	....	.01	.32	....	....	....	....	.15	.47	.21	.60	....	....	....	....	.73	.31	....	.05	.03	....	....	....	....	2.92
Marshall	Missouri	*	.10	....	.14	....	1.28	....	....	.10	....	....	....	....	.07	.22	....	....	....	....	....	....	....	1.22	.40	....	....	....	....	....	....	....	3.53
Mountain Grove	White	....	.08	....	.10	....	.42	....	....	.11	....	....	....	....	....	.17	.97	....	.18	....	....	....	....	1.02	.11	....	.05	....	....	....	....	....	3.21
Mount Vernon	Neosho	....	....	....	T.	....	....	....	....	.45	....	....	....	....	....	T.	.90	*	.30	....	....	....	....	.60	T	....	.15	....	....	....	....	....	2.40
Neosho	....do	....	....	....	....	....	T.	....	....	.51	....	....	....	....	....	.18	.66	T.	.18	....	....	....	....	.49	T.	....	.17	T.	....	....	....	....	2.19
Nevada	Osage	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	.37	.15	T.	.14	....	....	....	....	.54	T.	....	.09	....	....	....	....	....	1.34
Osceola[2]	... do	.05	....	....	.03	.03	....	....	....	.19	.11	....	....	....	....	.28	.16	....	.05	....	....	....	....	.85	.05	....	.02	....	....	....	....	....	1.82
Ozark Beach[2]	White	....	....	....	.07	....	.71	....	....	....	.13	....	....	....	....	.19	.75	.16	.18	....	....	....	....	.61	.36	....	.08	.04	....	....	....	....	3.28
Pleasant Hill[2]	Osage	....	.12	.08	.09	....	.68	....	....	T.	.08	T.	....	....	....	.45	.22	....	.03	....	....	....	....	.69	.15	....	.09	.22	....	....	....	....	2.90
Roby	Gasconade	....	.04	....	.02	....	.04	....	....	.45	....	....	....	....	....	.19	.72	....	.30	....	....	....	....	1.20	.05	....	.02	....	....	....	....	....	3.03
St. Thomas (near)[2]	Osage	....	....	....	.09	....	.04	....	....	....	.49	....	....	....	....	.18	.06	....	.08	....	....	....	....	1.14	.17	....	....	....	....	....	....	....	2.25
Sedalia	Missouri	....	.05	....	.05	....	.68	....	....	.34	....	....	....	....	T.	.25	.15	....	.10	....	....	....	.22	1.05	.25	....	T.	....	....	....	....	....	3.14
Seligman	Neosho	....	....	....	....	....	T	....	....	.29	T.	....	....	....	....	T.	.80	T.	.35	....	....	....	T.	.60	....	....	T.	....	....	....	....	....	2.04
Seymour (near)	White	....	.10	....	....	....	.13	....	....	.22	....	....	....	....	....	.27	.58	....	.35	....	....	....	....	.89	T.	....	.11	....	....	....	....	....	2.65

Continued on next page

Daily Precipitation for February 1942—Continued from preceding page

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Southwestern Division—Concluded																															
Springfield[1‡]	White	....	.03	T.	T.	....	T.	....	T.	.33	....	....	....	....	.03	.35	.39	.11	.07	....	....	....	.31	.41	.03	....	.13	T.	....	....	....	....	2.19
Stover[2]	Missouri	....	....	....	....	....	....	....	....	....	.36	....	....	....	....	.20	..	.09	.05	....	....	....	....	....	1.00	....	....	....	....	....	....	....	1.70
Sweet Springs	....do	....	.05	....	.18	....	.53	....	....	.05	....	....	....	....	.10	.28	.03	....	.20	....	....	....	....	1.07	.31	....	.20	....	....	....	....	....	3.00
Warrensburg	....do	....	.02	....	....	.20	.12	....	....	.02	....	....	....	....	.03	.21	.27	T.	.08	....	....	....	....	.66	.25	....	.15	....	....	....	....	....	2.01
Warsaw (A)	Osage	....	.12	....	T.	....	.02	....	....	.30	....	....	T.	....	T.	.25	.21	T.	.03	....	....	....	T.	.82	.03	....	.01	T.	....	....	....	....	1.79
Wasola	White	....	T.	....	.03	..	.46	....	....	.11	....	....	....	....	....	.25	..	.73	.10	....	....	....	....	1.39	.05	....	.06	....	....	....	....	....	3.18
Waverly[2]	Missouri	....	.02	.03	.07	.10	.57	....	....	.06	.09	....	....	....	....	.68	.20	....	.04	....	....	....	....	.70	.55	....	.05	T.	....	....	....	....	3.16
Southeastern Division																															
Advance[4]	St. Francis	....	....	T.	.29	.36	.10	....	....	.29	....	....	....	....	....	.55	.47	....	.09	....	....	....	T.	1.11	T.	....	T.	T.	....	....	....	....	3.26
Alton (near)	Black	....	.06	....	.14	....	.35	....	....	.30	....	....	....	....	....	.20	.22	....	.02	....	....	....	....	1.19	....	....	....	....	....	....	....	....	2.18
Annapolis	St. Francis	....	....	....	.47	....	.92	....	....	.25	....	....	....	....	....	....	.95	....	.20	....	....	....	....	1.15	T.	....	.01	T.	....	....	....	....	3.95
Arcadia[2]	....do	T.	....	....	.11	.26	.61	.19	....	.28	....	....	....	....	....	.24	.23	.20	.25	T.	....	....	....	.76	1.03	T.	....	.02	....	....	....	....	4.27
Belleview	Meramec	....	T	....	.14	....	*	.47	....	*	.35	....	....	....	....	.24	.69	....	.15	....	....	....	....	*	1.48	T.	....	....	....	....	....	....	3.52
Birch Tree (near)	Black	....	.03	....	.26	....	.52	....	....	.26	....	....	....	....	....	.24	.37	....	.15	....	....	....	....	1.00	T.	....	....	....	....	....	....	....	2.83
Bragg City	St. Francis	....	....	....	.11	.29	.48	....	....	.32	.13	....	....	....	....	.29	1.54	....	T	....	....	....	....	.93	T.	....	T.	....	....	....	....	....	4.09
Campbell	....do	....	....	....	.22	.20	.29	....	....	.60	.10	....	....	....	....	.50	1.23	.01	.03	....	....	....	....	.98	.02	....	T.	....	....	....	....	....	4.18
Cape Girardeau[2]	Mississippi	....	....	....	.06	.20	1.31	.14	....	....	.26	....	....	....	....	.16	.51	.33	.55	.14	....	....	....	.32	.53	....	....	T.	T.	....	....	....	4.54
Carruthersville[2]	....do	....	....	....	....	.40	.45	....	....	T.	.21	T.	....	....	....	T.	1.35	.81	....	T.	....	....	....	.50	.51	....	....	....	....	....	....	....	4.23
Centerville[2]	Black	....	....	....	.18	.04	.40	.08	....	....	.35	....	....	....	....	.30	.30	.45	.20	T.	....	....	....	.75	.55	T.	T.	T.	.02	....	....	....	3.62
Crystal City	Mississippi	....	....	....	....	*	.63	....	....	.27	....	....	....	....	....	.08	.18	....	.03	....	T.	....	....	....	1.43	T.	T.	....	....	....	....	....	2.62
Cuba[2]	Meramec	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Deering[2]	St. Francis	....	....	....	.26	.36	.50	....	....	.09	.41	....	....	....	....	.17	.86	.63	T.	T.	....	....	....	.53	.51	....	T.	T.	....	....	....	....	4.32
Dexter[2]	....do	....	....	....	T.	.25	.42	....	....	T.	.52	....	....	....	....	.30	.90	.55	....	T.	....	....	....	.13	.82	....	....	....	....	....	....	....	3.89
Doniphan	Black	....	.05	....	.28	.02	.55	....	....	.32	....	....	....	....	....	.25	.52	T.	....	....	....	....	....	1.23	.05	....	....	....	....	....	....	....	3.27
Farmington	St. Francis	....	T.	....	.17	....	.47	.04	....	.29	....	....	....	....	....	.27	.47	T.	.15	....	....	....	....	1.19	.03	....	T.	T.	....	....	....	....	3.08
Fisk[2]	....do	....	....	....	.21	.31	1.13	....	....	T.	.11	.06	....	....	....	.13	.11	.27	T.	.09	....	....	....	.21	.63	....	....	T.	....	....	....	....	3.26
Fredericktown[2]	....do	....	....	....	.14	.10	.60	.06	....	....	.15	....	....	....	....	.16	.20	.21	.06	T.	....	....	....	.60	.81	....	....	.04	....	....	....	....	3.13
Gerald[2]	Meramec	....	....	T.	.08	....	.07	.18	....	....	.22	....	....	....	....	.13	....	.15	.26	....	....	....	....	.23	....	T.	....	....	....	....	....	....	1.32
Goodland	Black	....	....	....	.14	....	.45	....	....	.16	....	....	....	....	....	.26	.76	....	.15	....	....	....	....	1.03	.05	....	....	....	....	....	....	....	3.00
Greenville	St. Francis	....	....	....	.16	.03	.48	T.	....	.28	.02	....	....	....	....	.31	.49	.02	.05	....	....	....	....	1.14	.06	....	.03	.01	....	....	....	....	3.08
Jackson	Mississippi	....	....	....	.50	.02	.59	.01	....	.15	.18	....	....	....	....	.30	....	.83	.75	....	....	....	....	1.13	.10	....	.12	T.	....	....	....	....	4.71
Jerome[2]	Gasconade	....	....	....	.17	....	.05	....	....	....	.31	....	....	....	....	....	.15	....	.48	....	....	....	....	.84	.55	....	....	....	....	....	....	....	2.55
Koshkonong	Black	....	.01	....	.19	....	.18	....	....	.30	....	....	....	....	....	.20	.56	....	.05	....	....	....	....	1.39	T.	....	.04	....	....	....	....	....	2.92
Leeper[2]	....do	....	....	....	.20	T.	.30	....	....	....	.27	....	....	....	....	.30	.20	.15	T.	T.	....	....	....	.70	.73	T	....	....	....	....	....	....	2.85
Licking (near)	Gasconade	....	....	....	T.	....	.08	....	....	.35	....	....	....	....	....	.22	1.04	....	.25	....	....	....	....	1.20	.08	....	.02	.04	....	....	....	....	3.28
Marble Hill	Mississippi	....	....	....	.61	....	.54	....	....	.11	....	....	....	....	....	.23	.34	....	.15	....	....	....	....	.54	.12	....	T.	T.	....	....	....	....	2.04
Meramec Park[2]	Meramec	T.	....	....	.12	T	.02	.86	....	.28	....	....	....	....	....	....	.08	1.14	.15	....	....	....	....	.98	1.02	....	....	....	....	....	....	....	4.65
Morehouse	Mississippi	....	....	....	.17	....	.52	....	....	.39	.13	....	....	....	....	*	1.79	....	.09	....	....	....	....	.87	.04	....	T.	T.	....	....	....	....	4.00
New Madrid[2]	....do	....	....	....	....	.51	.39	T.	....	....	.46	....	....	....	....	.05	1.12	.70	....	.05	....	....	....	.29	.43	T.	....	....	....	....	....	....	4.00
Owensville[2]	Gasconade	....	....	T.	.30	....	....	.09	....	T.	.30	....	....	....	....	....	....	....	....	....	....	....	....	.89	.20	....	....	T.	....	....	....	....	1.78
Pacific[2]	Meramec	....	....	....	.20	.15	.20	T.	....	....	.25	....	....	T.	....	....	....	.15	.10	....	....	....	....	T.	1.10	....	T.	T.	....	....	....	....	2.15
Parma[2]	St. Francis	....	....	....	....	.41	.05	....	....	.68	....	....	....	....	....	.43	.72	.48	T.	.02	....	....	....	.18	.69	....	....	....	....	....	....	....	3.66
Perryville[2]	Mississippi	....	....	.30	....	....	.60	.20	....	....	.20	....	....	....	....	.20	.20	.20	*	.15	....	....	....	.30	*	1.60	T.	T.	....	....	....	....	3.95
Poplar Bluff[2] (A)	Black	....	....	....	T.	.32	.68	....	....	....	.22	....	....	....	....	....	.60	....	T.	.03	....	....	....	.51	....	T.	....	T.	....	....	....	....	2.36
Richwoods[2]	Meramec	....	....	....	.95	....	.42	....	....	....	.51	....	....	....	....	.11	.11	....	.20	....	....	....	....	1.30	.05	....	T.	T.	....	....	....	....	3.65
Rolla[4]	....do	T.	T.	.02	T.	T.	.14	....	....	.36	T.	....	....	....	.02	.27	.33	.07	.06	....	....	....	.30	.87	.07	T.	T.	.01	....	....	....	....	2.52
St. Louis:																															
City Office[1‡]	Mississippi	....	....	.01	.19	T.	.49	T.	....	.30	T.	....	T.	.07	....	.08	.38	.01	.13	T.	....	....	....	.70	.16	T	.02	T.	....	....	....	....	2.54
Airport[4‡]	Missouri	T.	T.	T.	.55	.01	.55	T.	....	.17	T.	T.	T	T.	....	.09	.36	T.	.01	....	T.	....	....	.62	.05	T.	.09	T.	....	....	....	....	2.53
St. Louis Univ.[3‡]	Mississippi	....	....	.01	.19	.04	.30	.02	....	.21	T.	....	.03	.02	....	.18	.36	.04	.06	....	....	....	....	.87	.02	T.	.06	T	....	....	....	....	2.41
Washington Univ.[2‡]	....do	....	....	....	.15	.15	.25	.51	....	....	.38	....	....	.07	....	.05	.11	.40	.02	....	....	....	....	.42	.52	....	*	.09	....	....	....	....	3.12
Salem	Meramec	....	T.	....	.21	....	.47	....	....	.33	....	....	....	....	....	.20	1.17	....	....	.10	....	....	....	....	1.15	....	....	....	....	....	....	....	3.63
Sikeston[2]	Mississippi	T.	....	....	.02	.25	.37	.02	....	T.	.53	....	....	....	....	.38	.74	.53	.03	.05	....	....	....	.57	.50	T.	....	....	....	....	....	....	3.99
Union	Meramec	....	....	....	.11	....	.32	....	....	.23	....	....	....	....	....	.11	.44	....	.06	....	....	....	....	1.05	.17	....	T.	....	....	....	....	....	2.49
Valley Park[2]	....do	T.	....	....	T.	.27	.30	.41	....	....	.30	....	....	T.	....	T.	T.	.10	.12	....	....	....	....	.14	.50	T.	T.	....	....	....	....	....	2.14
Van Buren	Black	....	.01	....	.03	....	.11	....	....	.08	....	....	....	....	....	.20	.23	....	.12	....	....	....	....	.43	T.	....	T.	....	....	....	....	....	1.24
Wappapello Dam[2]	St. Francis	....	....	....	.42	.05	.44	T.	....	T.	.28	....	....	....	....	.18	.47	.21	.02	....	....	....	....	.82	.57	T.	....	T.	T.	....	....	....	3.46
Weingarten[2]	Mississippi	....	....	....	....	.22	.25	....	.21	....	.24	....	....	....	....	.18	.23	.12	.25	....	....	....	....	.55	.67	....	....	....	....	....	....	....	2.92
West Plains[4]	Black	T.	.02	T.	.11	.31	T.	....	....	.20	....	....	....	....	.02	.24	.28	T.	.02	....	....	....	.35	.94	.01	....	.02	T.	....	....	....	....	2.52
Williamsville[2]	....do	....	....	....	1.01	.08	.39	....	....	....	.32	....	....	....	....	.64	.32	.19	.10	....	....	....	....	.66	.56	....	....	.06	....	....	....	....	4.33
Willow Sprgs. (near)	White	T.	....	T.	.30	....	.30	....	....	.30	....	....	....	....	....	.30	....	....	.20	....	....	....	....	1.30	....	....	....	....	....	....	....	....	2.70
Zalma (near)	Mississippi	....	....	....	.29	.02	.47	....	....	.20	.06	....	....	....	....	.33	.64	....	.12	....	....	....	....	1.03	.05	....	T.	....	....	....	....	....	3.21
Cairo, Ill.[1‡]	....do	T.	....	.08	.31	.08	.72	....	....	.45	.02	....	....	....	....	.71	.83	T.	.05	....	....	....	....	1.21	.06	T.	T.	T.	....	....	....	....	4.52

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for February 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Lakeside (Osage Dam)	Evaporation	....	....	....	....	.055	.097	.078	.059	.013	*	*	.095	.025	.027	.044	.015	*	*	*	*	.229	023	.022	*	*	*	*	.093	....	....	....	1.021
	Mean temperature	26	30	38	44	50	38	36	34	34	32	32	34	36	44	40	41	20	16	24	27	38	38	38	27	30	28	32	32	..	..	..	33.6
	Wind movement	89	57	49	45	64	102	147	54	70	75	42	20	32	18	42	41	105	82	128	104	26	33	55	92	66	33	107	45	..	..	..	1,823
St. Louis (Washington University)	Evaporation	*	*	*	.070	.000	.038	.038	.056	.076	.076	*	*	*	†	.087	.000	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Mean temperature	23	27	36	42	48	38	33	33	31	28	30	33	37	44	40	44	18	15	23	21	32	33	32	26	26	30	31	34	..	..	..	31.8
	Wind movement	88	5	12	31	42	35	134	77	46	27	21	20	24	13	34	23	96	81	28	65	32	9	39	125	80	20	31	30	..	..	..	1,268

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. † —.012.

Daily Temperatures for February 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	Mean
Northern Division																																	
Brunswick §§	Maximum	34	32	50	57	59	42	34	33	34	35	40	33	42	40	47	38	19	18	39	35	55	44	36	29	25	30	32	38	..	..	..	37.5
	Minimum	21	20	25	26	34	37	28	26	30	26	23	23	30	29	34	35	9	7	8	10	12	23	29	23	8	5	25	11	..	..	..	22.0
Chillicothe §§	Maximum	36	31	52	52	47	36	33	32	34	35	38	33	39	39	45	36	16	17	37	38	55	36	35	29	36	30	31	36	..	..	..	36.2
	Minimum	18	20	24	27	37	34	24	25	29	20	20	25	27	29	32	32	5	5	9	11	12	24	28	26	16	5	18	5	..	..	..	21.0
Columbia	Maximum	31	31	45	60	62	43	35	37	35	34	38	39	42	56	49	47	22	20	38	35	53	47	40	30	35	32	35	40	..	..	..	39.7
	Minimum	17	24	26	40	34	32	28	30	30	24	18	27	31	35	42	22	10	6	11	22	26	32	30	25	14	26	25	19	..	..	..	25.2
Fayette	Maximum	33	31	46	61	60	52	42	35	35	34	40	37	44	49	48	48	32	18	37	36	54	48	40	29	42	32	35	37	..	..	..	40.5
	Minimum	17	21	23	37	30	33	26	28	31	23	17	26	29	32	37	31	7	2	5	19	21	26	29	22	8	20	19	14	..	..	..	22.6
Grant City	Maximum	35	29	51	49	45	40	36	31	31	33	40	31	35	38	40	37	21	15	32	33	47	37	33	31	36	28	33	37	..	..	..	35.1
	Minimum	16	22	23	37	35	31	27	21	25	17	14	21	22	30	30	21	1	1	2	9	22	33	24	14	1	21	16	4	..	..	..	19.3
Hannibal	Maximum	29	29	39	47	45	43	34	33	31	32	32	32	38	44	44	45	23	18	36	31	44	41	34	29	36	32	39	43	..	..	..	35.8
	Minimum	14	18	25	34	35	31	29	26	27	22	15	25	25	29	34	21	6	4	6	12	21	26	26	23	22	25	25	21	..	..	..	22.4
Kansas City Airport	Maximum	38	37	57	58	54	44	38	36	36	38	45	34	42	43	49	37	17	21	42	39	56	48	38	27	33	28	33	37	..	..	..	39.5
	Minimum	20	28	29	43	34	29	26	29	28	28	28	28	29	35	37	16	8	9	14	18	30	30	24	20	16	23	20	17	..	..	..	24.9
Kirksville	Maximum	29	28	45	47	43	38	33	32	30	32	34	32	38	36	42	41	32	12	36	35	51	38	35	30	35	32	39	44	..	..	..	35.7
	Minimum	17	19	25	32	36	32	28	26	28	20	16	24	26	30	33	30	3	4	5	9	20	24	25	22	14	24	22	20	..	..	..	21.9
Lawson	Maximum	35	32	54	53	52	43	36	32	33	34	40	33	39	39	46	46	28	17	38	36	55	43	38	26	38	28	30	34	..	..	..	37.8
	Minimum	16	24	26	45	35	32	24	28	29	24	22	25	26	30	36	28	5	3	8	14	25	28	26	17	5	22	14	9	..	..	..	22.4
Louisiana §§	Maximum	27	32	40	55	51	37	34	35	33	31	38	35	39	52	46	46	20	19	37	30	45	43	34	28	37	32	36	43	..	..	..	37.0
	Minimum	16	13	16	26	37	33	32	28	28	26	4	2	28	27	31	40	13	9	4	5	18	19	28	27	22	25	26	23	..	..	..	21.6
Macon §§	Maximum	34	31	48	54	57	49	35	34	35	35	36	33	42	40	59	40	24	24	37	35	60	55	45	32	38	34	36	43	..	..	..	40.2
	Minimum	15	17	20	25	38	34	21	27	27	23	15	20	27	27	31	35	5	4	5	8	12	20	28	23	8	10	24	11	..	..	..	20.0
Maryville	Maximum	33	29	51	48	42	41	35	32	31	33	41	32	32	37	38	37	20	14	33	32	44	40	37	30	32	29	29	34	..	..	..	34.5
	Minimum	15	23	24	40	35	29	20	26	25	22	21	20	20	29	30	20	1	1	3	10	23	27	22	13	3	21	15	4	..	..	..	19.4
Mexico §§	Maximum	32	29	46	55	57	37	34	35	33	33	37	36	38	50	50	40	18	19	36	32	52	43	30	25	36	32	35	40	..	..	..	37.1
	Minimum	15	18	20	25	35	34	29	28	28	24	10	11	24	28	34	35	8	5	6	9	20	23	28	24	11	11	11	12	..	..	..	20.2
Moberly	Maximum	32	29	43	58	60	48	40	37	34	35	36	36	41	46	48	45	35	22	35	36	51	49	40	30	34	35	32	36	..	..	..	39.4
	Minimum	15	19	25	35	35	34	32	31	27	24	15	28	27	31	37	32	7	3	4	17	22	29	25	14	8	24	23	12	..	..	..	22.7
Oregon	Maximum	35	32	55	55	50	42	38	35	32	38	43	35	34	38	44	39	23	19	37	39	52	48	39	30	32	28	31	35	..	..	..	37.8
	Miuimum	16	25	26	42	35	29	22	25	27	25	22	20	21	30	31	21	3	3	10	11	22	28	16	13	6	22	15	8	..	..	..	20.5
St. Charles §§	Maximum	31	34	50	67	57	37	35	39	34	34	40	43	46	63	48	46	22	25	40	34	48	45	36	29	36	36	40	47	..	..	..	40.8
	Minimum	19	23	24	32	36	36	32	29	30	28	20	20	27	27	33	41	18	9	9	9	19	24	33	25	21	26	25	23	..	..	..	24.9
St. Joseph	Maximum	34	33	56	53	49	41	38	32	32	35	38	34	35	42	47	35	13	18	36	37	55	43	34	28	34	27	30	36	..	..	..	36.6
	Minimum	19	26	28	38	37	28	24	29	27	26	26	24	25	32	34	13	5	7	14	15	28	30	22	15	10	24	18	12	..	..	..	22.7
Trenton	Maximum	35	32	47	48	47	40	38	32	32	34	37	34	38	39	44	44	30	17	37	32	37	48	41	34	39	35	34	41	..	..	..	37.4
	Minimum	18	24	28	36	38	34	24	28	27	19	15	27	28	30	32	30	4	5	6	12	22	27	28	18	3	22	19	9	..	..	..	21.7
Unionville §§	Maximum	33	27	46	46	44	35	33	30	31	54	35	35	40	38	42	38	14	13	35	32	51	38	30	35	38	30	40	42	..	..	..	35.2
	Minimum	14	16	19	24	35	33	22	21	22	10	13	19	23	24	29	30	1	0	1	5	10	20	22	19	10	12	20	17	..	..	..	17.5
Warrenton	Maximum	26	32	46	57	60	55	36	36	35	33	40	41	45	61	59	49	34	21	37	37	51	49	42	33	34	33	36	40	..	..	..	41.4
	Minimum	14	17	26	37	40	32	30	27	30	24	15	29	30	30	38	33	11	5	4	19	20	26	32	24	20	25	24	20	..	..	..	24.4
Keokuk, Iowa	Maximum	26	23	37	50	39	37	34	33	30	31	30	31	36	39	42	44	14	15	35	29	41	38	33	28	36	31	40	44	..	..	..	33.8
	Minimum	17	14	23	37	34	32	30	25	26	24	24	25	25	29	34	13	4	6	9	9	26	26	26	24	25	25	27	25	..	..	..	23.0
Southwestern Division																																	
Clinton	Maximum	33	39	54	62	67	45	40	38	36	40	45	39	43	51	51	48	24	22	36	38	56	54	44	29	38	32	40	46	..	..	..	42.5
	Minimum	12	22	25	41	34	31	27	27	30	25	21	26	27	33	40	22	10	1	10	19	23	32	28	25	18	26	24	22	..	..	..	24.3
Eldon §§	Maximum	30	34	51	62	67	40	40	39	35	35	44	44	42	64	49	42	24	22	38	37	57	54	40	27	37	32	36	45	..	..	..	41.7
	Minimum	15	18	22	25	36	34	29	29	30	26	15	14	28	30	30	41	15	7	1	10	20	21	28	25	20	17	25	20	..	..	..	22.5
Harrisonville §§	Maximum	38	48	54	60	62	40	40	36	34	40	45	35	39	41	48	33	18	18	41	31	41	46	36	28	33	32	36	40	..	..	..	39.0
	Minimum	14	17	25	37	33	33	24	26	29	25	20	25	25	27	35	30	7	0	3	10	17	26	30	21	13	13	19	16	..	..	..	21.4
Jefferson City §§	Maximum	31	30	49	62	65	38	38	37	34	34	40	45	44	62	50	41	24	20	38	37	54	51	38	28	35	32	35	44	..	..	..	40.6
	Minimum	14	18	21	22	31	32	27	26	26	23	14	14	27	28	31	39	11	4	4	6	20	20	31	23	19	16	23	18	..	..	..	21.0
Joplin	Maximum	31	48	54	64	72	50	41	50	40	34	45	50	55	56	54	53	32	17	34	39	57	54	50	30	38	33	34	44	..	..	..	45.0
	Minimum	16	27	35	51	43	32	27	31	31	28	24	34	30	41	45	32	14	4	9	21	28	37	30	22	24	25	20	24	..	..	..	28.0
Lamar §§	Maximum	45	45	57	65	73	47	47	47	40	39	47	52	53	57	52	37	26	25	36	40	59	55	48	32	41	34	40	46	..	..	..	45.9
	Minimum	8	8	24	29	33	35	21	23	25	24	19	19	22	24	35	31	15	− 6	− 6	1	14	24	30	21	19	20	17	17	..	..	..	19.5
Lebanon §§	Maximum	30	37	54	64	65	42	43	40	37	32	45	50	47	53	60	47	24	19	34	40	53	51	45	26	40	31	30	46	..	..	..	42.3
	Minimum	9	12	22	26	36	35	27	27	28	25	17	17	23	23	35	36	17	1	− 3	4	13	20	29	23	20	23	23	17	..	..	..	20.9
Lexiugton §§	Maximum	37	35	56	57	60	38	40	33	35	39	45	45	43	42	49	36	20	21	41	36	56	48	35	30	37	34	35	42	..	..	..	40.2
	Minimum	20	26	28	31	35	36	26	27	31	26	27	27	29	30	36	32	7	6	7	14	20	27	30	22	13	16	21	17	..	..	..	23.8
Marshall	Maximum	31	32	45	59	57	57	37	33	34	34	44	45	43	42	49	49	36	18	37	37	43	57	46	30	32	35	33	37	..	..	..	40.4
	Minimum	19	20	24	24	34	34	28	27	27	25	22	28	29	33	37	35	7	5	5	19	23	27	28	22	18	11	10	15	..	..	..	22.7
Mountain Grove	Maximum	29	34	52	64	61	61	43	38	35	35	46	50	54	58	55	47	35	28	35	40	51	55	51	44	36	36	30	47	..	..	..	44.6
	Minimum	13	18	23	42	38	35	27	25	29	24	18	28	29	32	39	32	19	3	4	17	23	32	38	22	21	24	21	20	..	..	..	24.9
Neosho	Maximum	35	54	53	62	73	70	48	50	45	36	49	54	57	58	57	54	35	27	38	43	58	65	55	41	41	40	39	45	..	..	..	49.4
	Minimum	6	23	26	50	35	40	25	28	35	28	18	26	26	30	43	35	23	−10	− 1	15	24	28	40	23	24	30	21	18	..	..	..	25.3
Nevada	Maximum	34	40	50	63	73	66	45	46	45	41	46	49	47	55	53	51	35	23	37	41	56	55	49	36	40	38	40	47	..	..	..	46.5
	Minimum	12	21	26	46	35	39	24	28	34	28	21	25	27	35	42	33	15	− 2	7	19	26	32	36	22	20	27	21	19	..	..	..	25.6
Sedalia	Maximum	33	36	53	60	73	58	40	35	37	36	44	43	45	51	52	50	34	20	35	37	56	55	46	33	38	36	37	42	..	..	..	43.0
	Minimum	14	22	25	45	35	34	28	29	32	25	21	25	28	36	39	33	10	4	10	19	25	32	32	23	12	24	24	19	..	..	..	25.2
Springfield	Maximum	29	38	50	64	70	48	43	39	37	32	43	50	54	58	49	50	30	17	32	37	53	54	48	28	37	32	33	44	..	..	..	42.8
	Minimum	12	23	28	44	38	32	28	28	31	23	19	29	28	36	41	30	14	1	0	15	25	33	28	23	23	23	24	22	..	..	..	25.0
Warrensburg	Maximum	33	38	52	60	65	53	39	37	36	39	45	41	45	47	51	50	40	18	40	40	54	54	45	35	36	34	38	44	..	..	..	43.2
	Minimum	15	23	26	45	32	36	27	28	30	26	22	28	27	36	38	31	10	0	0	19	25	30	32	22	12	24	21	18	..	..	..	24.4
Southeastern Division																																	
Arcadia §§	Maximum	33	34	56	54	66	40	35	41	36	31	46	49	57	61	48	49	38	27	40	42	51	57	42	30	36	37	35	49	..	..	..	43.6
	Minimum	28	17	22	29	30	34	31	29	29	30	21	22	25	25	29	42	32	..	9	12	17	17	27	26	19	25	23	23	..	..	..	[a]24.9
Birch Tree(near)	Maximum	32	42	53	53	59	56	44	39	37	34	45	50	54	60	52	49	36	31	38	41	48	54	50	43	35	34	31	39	..	..	..	44.2
	Minimum	16	17	26	41	35	36	28	23	25	25	15	25	25	29	39	34	25	7	5	18	19	25	39	24	17	24	23	17	..	..	..	24.4
Caruthersville §§	Maximum	37	35	52	65	63	52	38	40	39	38	40	48	57	61	53	55	40	30	35	43	51	61	45	35	37	35	36	50	..	..	..	45.4
	Minimum	23	23	24	33	46	45	34	32	30	32	26	26	25	32	33	40	34	27	15	15	22	27	33	33	26	27	27	23	..	..	..	29.0
Crystal City	Maximum	31	36	50	56	60	60	37	40	39	35	41	46	47	60	48	47	31	25	39	34	49	52	45	34	33	34	40	48	..	..	..	42.9
	Miuimum	18	19	30	39	32	34	32	29	31	24	20	30	24	23	36	33	19	10	4	18	15	21	31	25	23	28	26	25	..	..	..	25.1
Douiphan	Maximum	33	34	55	55	61	62	45	37	37	37	45	50	59	64	55	51	43	36	38	47	53	60	54	45	39	37	38	53	..	..	..	47.2
	Minimum	16	18	19	44	37	40	29	25	26	30	19	21	22	24	39	42	32	11	8	14	17	19	41	29	25	23	37	15	..	..	..	25.4
Farmington	Maximum	29	37	53	53	65	58	37	39	38	37	40	46	47	59	55	49	35	26	37	41	49	56	50	34	31	33	35	45	..	..	..	43.4
	Minimum	19	19	27	39	32	36	32	28	32	27	23	27	26	27	41	35	21	10	9	23	20	29	34	25	22	27	24	23	..	..	..	26.3
Jackson	Maximum	31	37	48	52	58	59	39	43	43	35	37	43	53	57	56	51	43	28	33	36	47	55	55	40	33	35	37	47	..	..	..	44.0
	Minimum	22	21	30	40	36	38	34	30	33	30	24	27	26	28	41	42	27	14	10	21	19	26	39	25	23	28	27	24	..	..	..	28.0
Poplar Bluff	Maximum	36	33	52	55	60	47	44	39	38	37	40	48	56	60	48	48	51	36	35	40	40	59	52	42	34	37	35	47	..	..	..	44.6
	Minimum	21	22	28	41	45	29	34	31	31	28	23	23	29	29	38	38	33	11	12	21	22	28	42	28	22	28	20	26	..	..	..	28.0
Rolla	Maximum	26	32	52	63	65	52	36	36	35	32	43	46	40	60	48	47	30	20	36	36	53	55	41	28	32	31	32	44	..	..	..	41.1
	Minimum	12	19	23	45	40	32	29	28	31	24	18	27	26	31	41	30	15	4	4	18	21	31	28	22	23	24	24	19	..	..	..	24.6
St. Louis	Maximum	27	35	49	56	58	58	36	39	35	35	37	40	47	59	50	48	32	20	38	34	45	48	38	28	31	32	37	42	..	..	..	40.5
	Minimum	20	25	30	40	40	33	31	30	31	27	27	31	31	34	41	32	16	9	12	19	24	31	27	24	24	26	26	26	..	..	..	27.4
Salem	Maximum	29	32	54	62	65	56	39	40	38	36	44	50	47	60	56	48	34	26	36	37	52	55	55	37	37	33	37	45	..	..	..	44.3
	Minimum	14	16	23	42	36	37	29	27	32	25	18	26	23	28	40	32	18	6	6	17	21	27	37	24	22	26	22	20	..	..	..	24.8
Sikeston §§	Maximum	32	35	54	54	60	45	38	43	37	36	38	42	58	62	52	53	35	27	34	40	51	60	42	33	35	38	38	53	..	..	..	43.8
	Miuimum	21	21	25	32	43	44	35	31	31	32	25	25	27	30	35	42	33	19	14	15	23	27	34	28	25	26	27	24	..	..	..	28.5
Union	Maximum	33	34	54	60	69	62	37	42	39	35	44	49	47	63	59	50	36	26	40	40	56	51	48	35	36	35	41	48	..	..	..	45.3
	Minimum	15	18	28	36	32	35	30	28	30	26	20	28	26	25	40	34	15	7	7	21	18	23	33	25	23	26	25	21	..	..	..	24.8
West Plains	Maximum	32	36	54	62	65	49	42	35	38	34	46	51	57	59	50	49	34	24	39	46	52	56	45	35	37	34	32	49	..	..	..	44.4
	Minimum	18	23	23	39	32	36	28	24	30	21	20	27	27	27	42	32	24	11	11	19	20	23	35	25	25	26	23	20	..	..	..	25.4
Cairo, Ill.	Maximum	31	37	51	55	60	59	39	42	35	37	34	43	53	58	51	53	36	26	32	36	47	56	48	36	32	34	37	46	..	..	..	43.0
	Minimum	25	25	32	41	47	39	33	32	32	29	26	27	33	37	42	36	26	16	16	26	26	34	36	28	26	28	28	26	..	..	..	30.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 3-20-42—1100.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI MARCH 1942 No. 3

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

March was warmer and drier than normal and rather windy and blustery, but there were no severe storms, usually associated with this month.

The month opened and closed rather cold, particularly the last five days, but the intervening period was comparatively mild and generally above normal, with decidedly warm periods from the 15th to the 16th and 22d to the 26th. The 15th and 16th were the warmest days over the southern half of the State, while the 23d and 24th were generally the warmest days in the northern half. The coldest days were the 1st, and the last three days of the month. No extremely cold weather occurred, 8° being the lowest reported, at one station in the Northern Division. Generally, minimum readings were between 15° and 25°, while the maximum temperatures ranged from 72° to 84°. All divisions of the State averaged warmer than normal, with a few stations in each division registering subnormal averages for the month.

Precipitation was more than adequate for all needs and the frequency kept the ground too wet for plowing and planting during much of the first three weeks. The distribution was rather irregular, the Southeastern Division averaging 2.63 inches, the Southwestern Division 1.48 inches, and the Northern Division 2.05 inches. Amounts were generally light to moderate, although a fall of 2.24 inches occurred within a twenty-four hour period at Koshkonong on the 7-8th. There was no high water in any of the major streams of the State, but locally there was some overflowing from the smaller streams and creeks.

Snowfall was decidedly deficient this month and what did fall, quickly melted, and the ground was not covered for any appreciable time. Heaviest amounts, ranging up to 5 inches, occurred over the Southeastern Division. There was an accumulation from February that remained on the ground the first few days of this month at some stations in the extreme northern portion.

Farming operations were seriously curtailed by wet fields the first three weeks, and seasonal activities were two to three weeks behind at that time. By the beginning of the fourth week there was a marked improvement, of short duration, and much plowing and seeding of oats were accomplished. Wheat and grasses made good growth, with the ample moisture and mild temperatures, but the acreage of wheat was very small as compared to the normal acreage seeded to this crop. Early gardens, potatoes, and truck crops were planted, but rains on the 25th and thereafter, followed by a cold period, brought these activities to a standstill. Fruit trees were in bloom in the southern portions of the State the latter part of the month, but the cold period the last five days held fruit buds back over the remainder of the State.

Dirt roads were very muddy and almost impassable the first half of the month, and the annual moving activity, at this time of the year in rural districts, was made under extremely adverse conditions.

Due to the backward season, vegetation and fruits had not advanced to a susceptible stage, and there was practically no damage from frost or freezing temperatures this month.—M. R. W.

(Continued on page 15)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.89*	30.38*	31	29.24*	16	9.3	30	sw.	16	79*	55*	62*	63
Kan. C. Airport	29.89	30.46	31	29.22	16	13.0	41	nw.	8	74	53	54	63
St. Joseph	29.89*	30.44*	31	29.25*	16	11.6	36	w.	28	89*	62*	69*	53
St. Louis	29.88*	30.33*	31	29.21*	16	13.7	44	sw.	16	72	51	50	54
Springfield	29.90	30.41	31	29.35	16	14.5	44	sw.	16	76	49	53	55
Cairo, Ill	29.91§	30.34	31	29.38	8	10.1	32	s.	16	79	55	..	56
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	38.5	90	1	3.90	4.13	4.37	3.19	....	10	..	..	..
1889	44.3	84	13	2.22	1.26	3.37	2.02	....	5	..	..	..
1890	37.3	79	−11	3.51	2.00	2.40	6.12	5.7	8	..	..	..
1891	36.6	78	−11	2.66	3.03	2.26	2.68	7.1	10	..	..	..
1892	38.9	87	5	2.98	3.31	3.46	2.18	....	8	8	10	13
1893	40.5	86	0	2.92	2.49	2.71	3.57	3.2	7	11	10	10
1894	47.7	89	2	3.22	2.29	2.95	4.43	0.2	6	15	9	7
1895	42.4	98	0	2.36	1.49	2.39	3.21	4.4	9	14	7	10
1896	39.2	82	2	2.22	1.15	2.04	3.47	5.2	8	11	9	11
1897	44.2	82	− 5	6.73	4.38	5.62	10.18	1.0	12	9	9	13
1898	44.7	83	9	7.44	5.26	6.42	10.63	0.6	11	11	7	13
1899	37.4	78	− 8	2.92	3.19	2.34	3.23	8.9	10	9	11	11
1900	40.4	88	− 4	1.52	1.43	1.35	1.79	0.2	6	15	9	7
1901	42.7	85	− 1	3.77	3.33	4.21	3.77	1.8	8	11	8	12
1902	45.3	85	1	3.71	2.50	4.64	3.99	0.8	9	10	10	11
1903	46.8	81	9	3.62	2.34	4.17	4.34	1.1	8	13	7	11
1904	44.8	87	8	4.55	3.54	3.13	6.98	1.2	9	11	9	11
1905	50.3	88	10	3.15	2.27	3.36	3.83	T.	8	11	8	12
1906	34.6	75	− 5	3.98	2.63	3.12	6.18	8.6	11	6	7	18
1907	53.9	95	16	2.76	2.54	3.05	2.70	1.0	7	14	7	10
1908	50.1	89	14	2.98	1.38	3.33	4.22	1.0	7	14	7	10
1909	41.5	81	9	3.03	2.24	2.01	4.83	0.6	6	13	9	9
1910	55.8	96	15	0.77	0.26	1.00	1.05	0.1	2	20	7	4
1911	46.8	91	5	1.72	1.71	1.84	1.62	1.4	6	16	8	7
1912	35.2	89	− 4	4.69	3.69	5.25	5.12	16.5	11	12	6	13
1913	40.6	84	−12	4.64	3.44	4.52	5.95	5.0	9	12	8	11
1914	43.2	87	− 2	2.76	2.80	2.89	2.59	4.7	8	13	7	11
1915	36.4	70	6	1.45	1.20	2.01	1.15	7.9	6	7	8	16
1916	47.0	95	− 2	2.55	2.48	3.20	1.98	3.1	7	14	8	9
1917	45.2	86	− 7	2.69	2.70	2.89	2.57	1.5	7	15	7	9
1918	50.9	95	8	1.02	0.46	1.55	1.06	0.1	4	18	6	7
1919	46.3	90	− 2	2.40	2.27	1.44	3.49	0.7	6	15	8	8
1920	44.6	86	− 6	5.12	4.60	5.37	5.40	1.4	8	15	6	10
1921	51.9	90	11	5.06	3.52	5.32	6.34	0.5	10	13	9	9
1922	45.6	80	3	6.39	4.89	6.78	7.51	2.2	12	11	6	14
1923	40.4	83	−11	4.23	3.53	3.64	5.52	2.3	8	14	6	11
1924	38.4	80	8	2.54	2.52	2.40	2.71	9.4	8	8	8	15
1925	47.7	86	− 5	1.94	1.77	1.98	2.07	0.8	5	17	8	6
1926	39.6	83	8	2.87	2.15	2.82	3.63	7.0	8	13	6	12
1927	45.9	80	0	5.93	4.08	6.88	6.83	3.7	11	12	8	11
1928	46.3	89	10	1.61	1.00	1.58	2.24	2.4	5	15	9	7
1929	48.6	97	11	3.33	2.99	3.13	3.88	T.	8	12	8	11
1930	43.2	80	6	1.38	1.19	0.91	2.04	1.4	4	18	6	7
1931	39.5	70	10	3.18	2.57	3.05	3.91	8.8	8	11	7	13
1932	38.3	81	− 2	1.99	1.39	1.62	2.96	2.8	7	12	9	10
1933	44.1	87	5	3.61	3.05	2.79	4.99	2.0	10	11	8	12
1934	41.2	82	− 3	2.55	1.53	2.10	4.03	4.9	7	13	8	10
1935	50.4	87	8	5.76	2.46	5.10	9.73	0.7	9	10	10	11
1936	49.4	84	13	1.27	0.82	1.00	1.98	T.	5	16	9	6
1937	40.4	77	6	1.66	1.27	2.15	1.56	2.8	6	12	8	11
1938	53.6	90	14	4.98	3.73	4.42	6.79	T.	12	13	7	11
1939	47.1	89	− 4	3.08	3.33	2.20	3.70	0.2	8	15	7	9
1940	43.1	89	0	2.44	2.07	2.43	2.83	4.0	8	9	9	13
1941	40.5	78	7	0.78	0.86	0.76	0.72	3.4	5	13	9	9
1942	45.8	84	8	2.05	2.05	1.48	2.63	0.7	7	12	8	11
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	44.0	98	−12	3.17	2.48	3.07	3.97	3.0	8	13	8	10

Climatological Data for March 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	41.6	.....	75	23	15	3	13	2.18	+0.49	1.68	25-26	0.1¶	10	10	8	13	w.	Curtis E. Grace
Bethany	Harrisou	916	47	41.0	+ 0.7	74	23†	15	1	49	1.65	−0.58	1.40	25	T. ¶	2	13	3	15	nw.	A. S. Cumming
Brookfield	Linn	767	1	44.1	.....	76	23	16	1	1	1.62	.....	1.06	16	0	5	9	10	12	nw.	E. W. Patrick
Brunswick	Chariton	652	61	42.6	+ 0.7	75	23	10	1	63	2.04	−0.66	1.00	16	T.	5	13	5	13	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	43.0	.....	73	24	24	12	12	2.72	+0.38	1.02	16	0.1	7	8	5	18	nw.	Lockmaster
Chillicothe	Livingston	779	33	41.2	− 0.5	76	23	8	1	36	1.72	−0.76	0.93	16	0	5	19	3	9	nw	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	42.8	+ 0.6	72	23	15	1	33	2.14	−0.60	1.11	16	0.5	7	8	5	18	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	45.3	+ 2.4	75	23	25	29	52	2.56	−0.38	1.37	16	0.2	9	8	10	13	w.	U. S. Weather Bureau
Conception	Nodaway	980	53	40.3	+ 0.5	75	23	17	1	58	1.82	+0.17	1.17	25	T.	4	8	11	12	w.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	46.4[a]	+ 2.9	80	16	20	1	11	2.16	−0.60	0.80	16	1.6¶	7	3[a]	18[a]	9[a]	nw.	Ray E. Mills
Fayette	Howard	760	62	44.1	+ 2.2	78	24	21	1	59	1.99	−0.83	0.82	16	T.	8	16	0	15	nw.	Irvin E. Schnell
Fulton	Callaway	818	54	....	.....	..	..	....	..	50	....	.....	....	.....	....	..	..	..	..	.....	.....
Grant City	Worth	1,134	38	40.6	− 0.7	73	24	16	3	50	2.42	+0.41	1.40	25	T.	3	6	9	16	nw.	Howard Rybolt
Hannibal	Marion	759	50	43.4	+ 2.4	76	24	25	1†	58	2.14	−0.46	1.15	15-16	0.2	10	6	5	20	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	44.9	+ 2.2	77	23	27	1	53	2.62	+0.09	1.33	25	T.	6	10	5	16	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	45.6	.....	77	23	24	3	4	2.05	.....	1.34	25	T.	4	9	5	17	nw.	University of Kansas City
Kidder	Caldwell	1,020	50	41.6	+ 0.8	72	23	19	2†	54	2.72	+0.53	1.49	26	0	5	13	2	16	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	43.4	+ 3.7	78	23	24	1†	60	2.14	− 0.80	1.12	16	0.7	7	8	14	9	nw.	Howard Coons
Lawson	Ray	1,070	4	42.6	.....	73	23	22	1†	4	3.23	.....	1.68	25	T.	9	9	8	14	nw.	Elmer E. Lamb
Louisiana	Pike	469	48	42.8	− 0.7	79	16	23	1	61	1.79	− 1.68	1.00	16	T ¶	4	15	13	3	w.	Stark Bro's Nurseries
Macon	Macon	875	43	44.8	+ 2.6	75	23†	12	1	49	2.43	−0.41	1.50	16	T.	5	6	12	13	w.	John W. Atwell
Maryville	Nodaway	1,169	52	39.8	+ 1.9	75	23	17	1†	48	2.03	+0.16	0.85	16-17	T.	5	9	4	18	nw	R. B. Montgomery
Memphis	Scotland	787	3	40.0	.....	71	23†	22	1	12	1.87	−0.49	0.77	16	0.5	7	9	4	18	nw.	John W. Alexander
Mexico	Audrain	800	53	42.2	+ 0.2	75	16†	18	1	64	2.56	−0.35	1.00	16	1.5	12	13	4	14	w.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	43.9	.....	75	15†	18	1	5	2.59	.....	1.27	16	T	6	14	8	9	w.	Beverly Coomes
Oregon	Holt	1,048	86	42.8	+ 3.2	78	23	22	1	86	1.68	−0.28	0.81	16-17	0.5	4	11	9	11	sw.	Miss Mina Wright
St. Charles	St. Charles	520	54	46.0	+ 1.5	82	16	23	1	64	2.17	−1.00	0.65	13	5.0	6	16	10	5	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	42.5	+ 2.0	77	23	25	1	70	1.79	−0.69	1.33	25	0.2	7	9	5	17	nw.	U. S. Weather Bureau
Savertou, Lock No. 22	Ralls	472	4	43.9	.....	75	24	22	1	4	1.67	.....	0.68	16	T. ¶	5	8	16	7	nw.	Lockmaster
Shelbina	Shelby	779	1	43.0	.....	75	24	18	1	49	1.94	−0.85	1.20	16	T.	5	7	7	17	w.	Guyman Hatcher
Steffenville	Lewis	650	44	41.0	− 1.2	72	24	16	1	49	2.28	−0.73	1.20	16	T.	5	6	20	5	s.	Frank Hall
Tarkio	Atchison	916	39	40.3	+ 0.2	77	23	13	1†	48	2.73	+1.06	1.37	25	2.0	4	9	10	12	sw.	Albert Volker
Trentou	Grundy	822	46	43.0	+ 1.9	75	23	19	1	47	1.68	−0.77	0.90	26	T. ¶	5	6	10	15	n.	W. H. Estes
Unionville	Putnam	1,062	49	39.6	+ 0.7	75	24	19	1	49	1.13	−1.37	0.47	16-17	0.3	8	8	11	12	nw.	C. D. Wilson
Warrenton	Warren	816	60	47.4	+ 4.9	81	16	23	1	52	1.92	−1.26	0.50	13	2.0	9	4	16	11	nw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia	574	70	42.8	+ 3.9	74	24	25	28†	70	1.82	−0.56	0.86	15-16	T.	6	4	9	18	w.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**42.9**	**+ 1.5**	**82**	**16**	**8**	**1**	..	**2.05**	**−0.43**	**1.68**	**25†**	**0.4**	**6**	**10**	**8**	**13**	**nw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	33	46.7‖	− 2.1	..	..	23	5	43	1.15	−2.55	0 23	4†	0.2¶	6	16	11	4	sw	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	46.1	+ 1.0	80	15	24	3	50	1.81	−1.34	0.95	16	T.	7	14	1	16	nw	Rolla Browu
Bolivar	Polk	1,071	39	46.8	+ 0.5	79	15	26	3†	47	0.98	−2.45	0.54	25	T.	7	15	7	9	nw.	Southwest Baptist College
Boonville	Cooper	650	4	42.4	.....	74	23	17	1	65	2.02	−1.02	1.23	16	0.4	5	12	11	8	w.	Boonville Water Dept.
Carthage	Jasper	962	8	49.0	.....	80	15	23	3	18	0.70	.....	0.33	25	T.	5	18	8	5	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	45.8	+ 0.8	80	15	25	3	55	1.73	−1.63	1.02	15-16	T.	4	13	7	11	nw.	U. S. Weather Bureau
Eldon	Miller	934	47	44.6[a]	+ 1.0	75	16†	20	1	43	1.03	−2 01	0.41	26	T. ¶	6	12[a]	9[a]	10[a]	w.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	48.4	.....	79	11†	20	1	1	0.81‖	.....	0 25¶	26	1.0¶	7	12	13	6	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	61	41.8	+ 0.5	76	23	20	1	67	3.22	+0.42	1.35	16	0	5	11	0	20	nw.	John H. Patterson
Jefferson City	Cole	557	52	43.6	0.0	78	16	17	1	60	1.14	−1.92	0.48	16	0.2¶	7	9	11	11	w	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	48.8	+ 0.2	77	15	28	31	37	0.66	−2.54	0.35	25	....	4	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	45.0	+ 0.4	77	15	20	1	11	0 86	−1.89	0.35	26	0	8	12	11	8	w.	W. S. Frame
Lamar	Barton	980	54	44.1	− 1.9	83	15	16	1	61	0.98	−2.21	0.53	26	0	4	13	6	12	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	44.0	− 1.0	76	16	17	1	55	0 67	−2.81	0.36	26	0.1	5	13	9	9	w.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	43.7	+ 0.3	76	23	18	1	58	2.61	−0.17	0.87	26	T. ¶	5	12	10	9	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	47.8	+ 0.5	81	15	25	31	46	0.85	−2.71	0.50	25	T. ¶	6	19	5	7	nw.	Hubert A. Nieman
Marshall	Saline	779	55	45.5	+ 2.5	76	11	23	1	52	2.28	−0.64	1.08	16	0	4	15	10	6	sw.	Chamber of Commerce
Mountain Grove	Wright	1,163	41	47.7	+ 2.3	79	16	25	2†	45	1.21	−2.66	0.48	25-26	2.2	10	15	13	3	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	46.3	+ 0.4	80	15	22	5	42	1.07	− 2 82	0.58	25-26	T. ¶	5	4	13	14	nw.	G. H. Boswell
Neosho	Newton	1,011	55	48.8	+ 0.7	80	15	21	31	59	0.94	−2.61	0.37	25	T. ¶	8	16	8	7	nw.	U. S. Fisheries Station
Nevada	Vernon	862	49	48.4	+ 3.5	78	15	23	3	50	2.48	−0.39	1.64	16	0	5	15	7	9	nw.	Henry Kraft
Ozark Beach	Taney	709	2	47.6	.....	82	15	21	1	17	1.32	−1.77	0.50	26	T. ¶	5	14[a]	7[a]	9[a]	sw.	V. Smith
Sedalia	Pettis	910	29	46.0	+ 3.2	76	15	25	29	31	3.48	+0.65	1.86	12-13	T. ¶	6	13	5	13	nw	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	46.6[a]	0.0	79	15	23	3	39	1.19	−2.41	0.67	25	T.	6	22[a]	0[a]	8[a]	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	45.6	+ 0.2	74	16	25	3†	36	1.48	−2.18	1.01	25-26	1.0	6	15	6	10	nw.	A. L. Hailey
Springfield	Greene	1,301	54	45.8	+ 0.6	78	15	25	29	54	1.04	−2.35	0.65	25	0.4	5	12	5	14	nw.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	45.6	.....	76	15	24	1†	1	2.03	.....	0.94	16	T. ¶	4	13	16	2	w.	H. F. Nelson
Warrensburg	Johnson	878	55	45.6	+ 1.6	76	15	24	3†	62	1.46	−1.63	0.90	13	T. ¶	2	12	5	14	sw.	E. A. Markey
Warsaw	Benton	687	41	46.9	− 0.1	80	15	23	29	47	1.42	−2.13	0.81	16	0	6	8	15	8	w	Everett Martin
Wasola	Ozark	1,294	1	48.6	.....	77	16	27	29†	2	1 61	.....	0.87	25-26	0.5¶	7	20	5	6	w.	A. W. Pinckney
Division means	**and extremes**	.....	..	**46.1**	**+ 0.6**	**83**	**15**	**16**	**1**	..	**1.48**	**−1.59**	**1.86**	**12-13**	**0.2**	**6**	**14**	**8**	**9**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	5	47.6	.....	78	16	23	1	5	2.79	.....	1.41	7-8	5.0	9	10	10	11	s.	U. S. Weather Bureau
Arcadia	Iron	926	61	46.3[b]	+ 1.7	81	16	21	1†	64	3.53	−0.52	1.93	8-9	2.0	9	12	13	6	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	48.0	+ 0.7	80	16	21	29	48	2.71	−1.27	1.72	7-8	3 0	7	17	7	7	nw.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	50.0	.....	75	15	28	1	11	4.07	−1.21	1.38	8	T. ¶	10	18	9	4	s	Paul B. Hutchens
Campbell	Dunklin	314	16	52.6	+ 4.6	77	15	30	1	16	3.93	−1.99	1.23	8	2.0	10	13	11	7	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	49.2	− 2.2	80	15	23	1	50	4.62	+0.16	1.20	8-9	T.	12	14	8	9	s.	Victor T. Malloure
Crystal City	Jefferson	420	8	46.2	.....	82	16	21	1	8	2.67	.....	1.06	7-8	4.5	8	10	11	10	w.	Frank Magre
Doniphan	Ripley	314	28	50.5	+ 1.5	83	16	23	31	38	1.43	−2.96	0.82	25-26	1.1	7	22	4	5	sw.	Boyce Lackey
Farmington	St. Francois	896	31	49.3	+ 2.8	79	16	23	1	45	3.18	−0.74	1.53	8	3.0	6	9	8	14	s.	F. M. Karsch
Goodland	Iron	1,000	49	46.9	+ 1.9	81	16	18	1	49	2.91	−0.98	1.37	7-8	3.0	6	16	6	9	n.	F. M. Adams
Greenville	Wayne	381	33	50.2	+ 2.5	80	16	20	1	35	3.27	−0.99	1.43	8	1.4	6	10	10	11	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	49.6	+ 2.4	76	16†	24	1	52	3.56	−0.61	1.77	8	1.6	8	9	6	16	n.	John G. Putz
Jefferson Barracks	St. Louis	465	36	49.6	+ 5.0	81	17	26	1	28	1.84	−1.00	0.89	8	0.1¶	6	9	9	13	se.	U. S. Army Engineers
Koshkonong	Oregon	958	41	50.0[c]	+ 0.6	82	16	27	2	42	3.66	−0.44	2 24	7-8	2.0	6	17[c]	5[c]	6[c]	nw.	R. M. Hitt

Continued on next page

Climatological Data for March 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	48.0	.....	82	16	20	1†	5	0.81	.....	0.32	7-8	1.2	8	14	8	9	nw.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	49.2	+ 1.6	78	16†	19	1	49	1.17	−3.11	0.54	8	1.0¶	6	13	10	8	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	51.1	+ 2.5	80	16	30	4†	38	1.74	−2.62	0.67	26	0	4	18	10	3	e.	B. R. Wheetley
Rolla	Phelps	1,202	42	45.0	− 0.5	80	16	24	29	58	1.33	−2.30	0.32	12-13	2.2	9	9	9	13	w.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	47.0	+ 2.9	80	16	29	30	105	1.92	−1.46	0.81	7-8	1.8	12	8	8	15	nw.	**Section Center**
St. Louis Airport	St. Louis	556	5	45.8	.....	81	16	26	1	11	1.75	.....	0.61	7-8	3.5	12	7	5	19	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	47.1	+ 2.9	80	16	30	29†	30	2.13	−1.21	0.80	7-8	2.7	14	9	9	13	se.	St. Louis University
Salem	Dent	1,173	38	48.0	+ 1.6	81	16	24	1	41	1.07	−2.80	0.38	26	T.	5	12	10	9	n.	E. E. Martin
Sikeston	Scott	318	35	50.0	+ 1.4	79	15	28	1	45	4.68	+0.12	1.12	14	1.2	12	12	10	9	n.	Mrs. Hazelle P. Young
Union	Franklin	520	4	48.2	.....	84	16	22	1	25	1.77	−1.53	0.56	13	T. ¶	6	13	4	14	nw.	Robert Mueller
Wappapello Dam	Butler	475	3	48.8	.....	79	16	26	1	3	2.38	.....	1.01	8	1.0	8	13	9	9	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	46.2	.....	79	16	23	1	2	2.51	.....	1.60	8	2.5	4	10°	6°	12°	s.	John A. Kettinger
West Plains	Howell	1,005	5	46.7	.....	80	16	25	29	5	2.38	.....	1.42	7	1.5	7	10	9	12	w.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	47.2	.....	80	16	23	29	35	1.75	−2.49	0.68	7-8	T. ¶	11	15	7	9	.....	Allen Frazee
Cairo, Ill.	Alexander, Ill.	315	70	50.3	+ 3.1	76	15	31	1	71	3.07	−0.68	1.15	7-8	0.2	14	8	9	14	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**48.4**	**+ 1.9**	**84**	**16**	**18**	**1**	..	**2.63**	**−1.34**	**2.24**	**7-8**	**1.6**	**8**	**13**	**8**	**10**	**nw.**	
State means	**and extremes**	.....	..	**45.8**	**+ 1.8**	**84**	**16**	**8**	**1**	..	**2.05**	**−1.12**	**2.24**	**7-8**	**0.7**	**7**	**12**	**8**	**11**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.
NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligmau, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 13)

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 45.8°, or 1.8° warmer than normal. The highest monthly mean was 52.6° at Campbell, and the lowest monthly mean was 39.6° at Unionville. The highest recorded was 84° at Union on the 16th, and the lowest was 8° at Chillicothe on the 1st.

PRECIPITATION

The average for the State, 158 stations reporting, was 2.05 inches, or 1.12 inches less than normal. The greatest local monthly amount was 4.95 inches at Parma, and the least local monthly amount was 0.60 inch at St. Thomas (near). The greatest amount in any twenty-four hours was 2.24 inches at Koshkonong on the 7-8th. The average number of days with 0.01 inch or more was 7.

Snowfall averaged 0.7 inch, or 2.3 inches less than normal. The greatest monthly amount was 5.0 inches at Advance and St. Charles.

MISCELLANEOUS PHENOMENA

Eclipse.—Lunar, 2d.

Floods.—In upper reach of Grand River, 6-9th and 26-28th; in Mississippi River at Cairo, Ill., and below 20-30th.

Fogs.—Dense, 13th, 14th, 15th, 16th.

Frosts.—Killing frosts were general as late in March as the closing week. (Occurrence of frost not recorded, as a rule, prior to the 10th to 15th of March).

Hail.—Light, on 13th at Sedalia, Warsaw and near Morehouse; on 14th at Bragg City and St. Louis Airport; on 15th at Brunswick, Clifton Hill, Macon, and Pleasant Hill; on 16th at Columbia, Louisiana, Harrisonville, Sedalia, and near Adrian; on 24th at Brookfield and Sedalia. Heavy, about fifteen miles southeast of Adrian on the 16th, with damage to roofs.

Halos.—Solar, 1st, 3d, 4th, 6th, 8th, 10th, 12th, 19th, 29th; lunar, 3d, 4th, 5th, 6th, 7th, 19th, 24th.

Sleet.—2d, 7th, 8th, 9th, 15th, 16th, 26th, 27th, 29th.

Thunderstorms.—Local, 11th, 14th, 19th, 20th, 24th, 26th; more or less general, 12th, 13th, 15th, 16th, 25th.

Tornado.—A small local tornado, with two funnel-shaped clouds observed, occurred one mile north of Morehouse on the 13th from 7:00 to 7:30 p. m., resulting in damage to three dwellings and outbuildings estimated at $1,500. No fatalities nor serious injury resulted.

Windstorms.—High winds were prevalent quite generally this month, particularly on the 6th, 7th, 8th 9th, 16th, 20th, 21st, 25th, 26th, 27th, and 28th. On the 16th minor property damage occurred over a wide area with heaviest damage in the vicinity north, northwest, and northeast of Adrian, at Columbia and vicinity, and at St. Louis. Damage was chiefly to window glass, roofs, chimneys, signs and billboards, and trees. No estimate of damage available.

ERRATA

January 1942, page 1: Maximum wind velocity, direction, and date at St. Louis should be 32-W-2d.

February 1942, page 8: Mean temperature at Nevada should be 36.0, departure should be + 2.1. Page 9: Date of maximum temperature at Rolla should be 19; mean temperature at West Plains should be 35.0, date of highest temperature at West Plains should be 18, greatest precipitation in 24 hours and date at West Plains should be 1.25 on 22-23d, total snowfall at West Plains should be 3.5. Page 11: Precipitation on 2d and 3d at Rolla should be .02 and T. respectively. Page 12: Maximum temperature at West Plains on 6th and 10th should be 50 and 35 respectively, minimum temperature at West Plains on 2d and 9th should be 24 and 31 respectively, mean minimum at West Plains should be 25.5.

Daily Precipitation for March 1942

Stations	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand				.02			.01	.01					.04	.01		.29	.02			.10					1.60	.08						2.18
Amity[2]	...do					T.			T.	T.				.08	T.	T.	.25	.18			.09					.10	1.25		T.	T.	T.	T.	1.95
Bethany	...do																.25									1.40			T.	T.			1.65
Bowling Green[2]	Mississippi		T.	T.						.17				1.04	.07		*	1.45				.06					.43				.10		3.32
Brookfield	Grand					T.			T.	T.							1.06				.18				.02	*	.36				T.		1.62
Brunswick[2]	...do					T.			T.	T.				.67			1.00				.08					T.	.23		T.		.06		2.04
Canton, Lock No. 20[2]	Mississippi		T.			T.			T.	T.		T.		.29	.23	T.	1.02	.68			T.	.18				T.	.31		T.	T.	T.	.01	2.72
Centralia[2]	...do					.04								.29			1.16					.01					.34				.07		1.91
Chillicothe[2] (A)	Grand						T.	T.						.17	T.	T	.93	T.			.13						.48				.01		1.72
Clifton Hill	Chariton				.01					T.				.65		T.	1.11				.08					.16	.08		T.	T.	.05		2.14
Columbia [1]†	Missouri		T.		.07			.05	.02		T.	T.	.39	.30	T.	T.	1.37				T.				T.	.33			T.	.01	.02		2.56
Conception	...do				T.			T.	T.				.04				.50	T.			.11				T.	1.17			T.	T.			1.82
Edina[2]	Mississippi					T.			T.					.16	.35	T.	.96				.22						.24			T.	T.	T.	1.93
Elsberry	...do		.10						.10					.55	.20		.80									.35			T.		.06		2.16
Farber[2]	...do		T.	T.		.04				T.				1.00	.02		.70	.02				.06				.36					.01		2.21
Fayette	Missouri							T	.01				.06	.73			.82				.12					.08	.15		T.		.02		1.99
Fulton[2]	...do																																
Gallatin[2]	Grand								T	T.				.30		T.	.47	T.			.24						1.08		T.				2.09
Grant City	...do							T.	T.					T	T.	T.	.96	T.			.06					1.40			T.	T.	T.		2.42
Hannibal[3] (A)	Mississippi		.01					.03	.02	T.				.42		.06	1.09				.20					.29	.01		T.	.01	T		2.14
Hermann[2]	Missouri		.05	T.		.05			.18					.31	.10		T.	.03				.02					.20			T.	.02	T.	0.96
Kahoka[2]	Mississippi		T.											.14	.06		.47	.06			.25	T.					.13		T.	T.	T.		1.11
Kansas City Airport [1]†	Missouri				.02			T.	T.		T.		.05	T.	T.	.47	.65				.10				T.	1.33			T.	T.	T.		2.62
Kansas City University	...do				.01			T.	T.			T.	T.	.04			.66									1.34			T.	T.			2.05
Kidder[2]	Grand								T.					.49	T.	T.	.54	.05			.15						1.49						2.72
King City	Missouri				T.			T.	T.		T.		.11				.62				.04					1.68			T.				2.45
Kirksville	Mississippi	.05	T.		T.			T.	T.					.42	.01		1.12				.24					.03	.27		T.	T.	T.		2.14
LaBelle[2]	...do		.02											.26	.16		.83	.13			*	.21					.34						1.95
Lawson	Missouri				.01			.02	T.				.02	.14	T.		1.20				.13				.01	1.68			T.	.02	T		3.23
Linneus[2]	Grand								T.					.22	.11		.83				.13					T.	.37		T		T.		1.66
Louisiana[2] (A)	Mississippi		T.							T.				.60	.13		1.00					T.							T.		.06	T.	1.79
Lucerne[2]	Grand													.02	.01		.34	.18			.11						.43		T.	T.			1.12
Macon[2]	Chariton		T.			T.			T.	T.				.49	.05	T	1.50	T.			.21						.18		T.	T.			2.43
Madison[2]	Mississippi		.02			.04				.03		T.		1.03	.03		.90					.21					.19		T.	.01	.02		2.48
Maryville	Missouri				T.			T.	T.				T.	.18	T.		.77	.08			.25				T.	.75		T.	T.	T.	T.		2.03
Memphis[2]	Mississippi		T.			T.			T.	T.				T.	.38	.02	.77	.08			T.	.27				.30		T.	T.	T.	.05	1.87
Mexico[2]	...do		.05					.10						.65	.10	.02	1.00	.04			.07					.38		.05		.05	.05	2.56
Milan[2]	Grand		T.		.05				.09					.07	.04		1.08	.07			.18	.05				.23		.04	.05	T.		1.95
Moberly	Mississippi					.05			T.					.73			1.27				.20				T.	.32				.02			2.59
Monroe City	...do								T.			T.		.64			1.24				.19					.07							2.14
New Florence[4]	Missouri	T.	.01		.08	T.		.12	T.	T.	T	T.	.03	.24	.01	T.	.56				T.					.43	T.		T.	.04	.01		1.53
Oregon	...do							T.					T	.15			.77	.04								.72			T	T.			1.68
Palmyra[2]	Mississippi		T.			T.			T	T.				.40	.30		.60	.27				.17					.30						2.04
Paris[2]	...do		.01			.01			T.	T.				.97	T.		.80	.04				.09				T.	.25		T.		T.	T.	2.17
Perry	...do													.83			1.22					.10					.30		T.	T.	T.		2.45
Philadelphia[2]	...do					.04			.02					.18	.49	.04	.22	.55				.15					.30						1.99
Platte City[2]	Missouri						T.							.13			.28	T.		.08						.30	.95						1.74
St. Charles[2]	...do	T.	.12						.60	.12				.65								T.					.38				T.	.30	T.	2.17
St. Joseph[1]†	...do				T.			.02	T.				.12	T.	T.	T.	.20				.08				.02	1.33	T.		T.	.02	T.		1.79
Saverton, Lock No. 22[2]	Mississippi		T.	T.	T.				T.	T.	T.			.55	.09	T.	.68	T.				.12					.23	T.	T.	T.	T.		1.67
Shelbina	...do		T.			T.		T.	T.					.30	T.	T.	1.20				.05					.09	.21		T.	T.	T		1.94
Shelbyville[2]	...do													.76			.96					.17					.33							2.22
Steffenville[2]	...do		T.							T				.32	.22		1.20				.25						.29			T.	T.		2.28
Tarkio	Missouri							T.					.15	.37			.84									1.37							2.73
Trenton	Grand				T.			T.	T.					.10	T.		.54				.14				T.	*	.90		T.		T		1.68
Troy[2]	Mississippi		.03	T.		.07			.07	.03				.45	.01		.25										.26				.15	T		1.32
Unionville[2]	Chariton		.03						.02					.02	.14		.42	.05			.20						.25		T.	T.			1.13
Warrenton	Mississippi		.11			.12		.02	.18	.02			T.	.50			.45										.45		T.		.07		1.92
Keokuk, Iowa[3]	...do		T		.02			T.			T.	T.	T.	.42	T.	.20	.66				.22				T.	.30	T	T.	T.	T.	T.	T.	1.82
Southwestern Division																																	
Altona[2]	Osage				T									.70	T		.47									.11	.82						2.10
Anderson (near)	Neosho	T.	.02		.23							.23	.21	.23												.23					T.		1.15
Appleton City	Osage				.02								.05	.10	.01		.95								.05	.63					T.		1.81
Bolivar	...do	T.	T.		.09	.07		.10	.01				.09	.08			T.									.54							0.98
Boonville[2] (A)	Missouri													.53			1.23				.10						.12				.04		2.02
Buffalo[2]	Osage					.12			.10					.28													.41							0.91
Butler[2]	...do													.23			.80									.13	.82						1.98
Caplinger Mills[2]	...do					.06			T.					.04			.50										.35						0 95
Carthage	Neosho	T.			.04	.06		T.					.20				.07									.33							0.70
Clinton[4]	Osage				T.								.22			.07	.95								T.	.49					T.		1.73
Concordia[2]	Missouri																																
Crocker	Osage		.06					.07		.07			.15	.33													.26				T.			0.94
Eldon[2]	Missouri		T			.10			.08	T.				.08			.35									.41				.01			1.03
Eldorado Springs	Osage				T								.06	T.			1.09								T.	.48							1.63
Fort Leonard Wood	Gasconade		.08					.07	.08				.11				.14				.08						.25				T.		0.81
Galena[2]	White		T.		.22								.20														.41							0.83
Hailey	...do	T.			.23			.13					.27														.11							1.63
Harrisonville[2]	Osage													.54		.02	1.35									.25	1.06						3.22
Higginsville[2]	Missouri				T.									.74			.74									.17	.38						2.03
Jefferson City[2]	...do		T.			.09			.10					.09			.48				.03						.33				T.	.02	1.14
Joplin[3]	Neosho					.08		.07				.16																					0.66
Lakeside[2]	Osage		.02			.08			.13	.01				.05			.20					T.					.35				.02	T.	0.86
Lamar[2]	Neosho					.10			T.					.10			.25										.53							0.98
Lebanon[2]	Osage		.01				.10			.02							.18										.36							0.67
Lexington[2]	Missouri					T.		T.						.80	.02	T.	.81				.11					T.	.87				T			2.61
Lockwood	Osage	T.			.10	.03		.07						.05			.10																	0.85
Manes[2]	Gasconade		.10			.02			.22	.06				.21								.04					.50							1.10
Marshall	Missouri											T.	T.	.90			1.08				.05				T.	.25	.45							2.28
Mountain Grove	White	.02	.20					.05	.17	.02			.17	.07							.03					.08	.40							1.21
Mount Vernon	Neosho	T.		.25	T.			.15					.09								T.					.53	.05							1.07
Neosho	...do	.01	.01		.06	.16		.07					.23				.03									.37								0.94
Nevada	Osage					T.		T.					.05	.05	T.		1.64								.02	.72								2.48
Osceola[2]	...do					.02			.02					.12			.80									.02	.40							1.38
Ozark Beach[2]	White		.20			.07			.20					.35													.50							1.32
Pleasant Hill[2]	Osage					T.			T.	T				.69		T.	.98	.10								.03	1.26				T.	T.		3.06
Roby	Gasconade		.12					.15	.13				.15			.05					.02					.04	.25							0.91
St. Thomas (near)[2]	Osage					.08								.19													.33							0 60
Sedalia	Missouri				T.								.10	1.76			1.33								.06	.16	.07		T		T.			3.48
Seligman	Neosho	.08			.11			.06					.25		.02											.67								1.19
Seymour (near)	White		.06					.19	.10				.12													.65	.36							1.48

Continued on next page

Daily Precipitation for March 1942—Continued from preceding page

Stations	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Springfield[1‡]	White	.03	T.		.15	T.		.12	T.				.09		T.	T.	T.				T.				T.	.65	T.					1.04
Stover[2]	Missouri													.20			.84									.46						1.50
Sweet Springs	do				T.				T.				.12	.68		T.	.94								T.	.29	T.		T.		T.	2.03
Warrensburg	do				T.					T.		T.		.90							T.				T.	.56			T.		T.	1.46
Warsaw (A)	Osage				.01	T.		.01	T.				.01	.25	T.		.84								T.	.30	T.				T.	1.42
Wasola	White	T.	.21					•	.21				.30		.02																	1.61
Waverly[2]	Missouri								T.			T.		.95			1.15				T.					.87						2.42
																										.32						
Southeastern Division																																	
Advance[4]	St. Francis	T.	.10					.62	.79				T.	.22	.11		T.				.23					.35	.20	.17					2.79
Alton (near)	Black		.10						1.42					.04								.07				.08						1.71
Annapolis	St. Francis							1.63	.23							.16						.05			T.	.73	.17			T.		2.97
Arcadia[2]	do		.13	T.					1.74	.19			.72	T.	.20	.02						.02				.49	.02			T.	T.	3.53
Belleview	Meramec		.40						1.56				.20	.70	.08											.48	.04					3.46
Birch Tree (near)	Black		.30					.17	1.55				.10	.03								.02				.54						2.71
Bragg City	St. Francis		.21					T.	1.38	T.				.69	.17	.07	.07					.32			T.	.77	.27			.12		4.07
Campbell	do		.10						1.23					.65	.04	.37	.04					.50				.60	.31			.09		3.93
Cape Girardeau[2]	Mississippi		.10	T.					.74	.71				.18	.52	.21						.49				.37	.33					3.65
Carruthersville[2]	do		.25	.11					.87	.33				.74	.20	.07		.10				.59				.75	.30			.40		4.62
Centerville[2]	Black		.15						1.60					.37		.15						.02				.54	.03			T.		2.86
Crystal City	Mississippi		.23					•	1.06				•	.85								.12				.27				.14		2.67
Cuba[2]	Meramec																																
Deering[2]	St. Francis		.20	T.					1.30	.41				.81	.10							.37				.85	.27			.10		4.41
Dexter[2]	do		.05	.05					.55	.60				.05		.40	.05					.26				.55	.22	T.				2.78
Doniphan	Black		.11					.09	.23							.07						.11			.05	.77						1.43
Farmington	St. Francis		.30					T.	1.53				.10	.61												.32	.32			T.		3.18
Fisk[2]	do		.16						.64	.71				.18		.16						.09				.27	.22					2.43
Fredericktown[2]	do		.13						1.06	.37				1.12	.03	.38	.02									.58	.21					3.90
Gerald[2]	Meramec		.16			.05			.30	.01				.86				.05								.30				.01	T.	1.74
Goodland	Black		.30					•	1.37				.22	.62												.40				T.		2.91
Greenville	St. Francis		.13						1.43					.27	.24			T.								.97	.23					3.27
Jackson	Mississippi		.16						1.77					.42		.06	.08				.26					.46	.35			T.		3.56
Jefferson Barracks	do		T.	T.		.03			.89	T.			T.	.58	T.						T.	T.				.25	.07		T.	.02	T.	1.84
Jerome[2]	Gasconade								.33					.33												.29						0.95
Koshkonong	Black	T.	.27					.17	2.07				.18													.25	.72					3.66
Leeper[2]	do		.13						1.30	T.				.37			T.					.12				.85	.05					2.82
Licking (near)	Gasconade		.12					•	.32				.12			.20					.01				.01	.03					0.81
Marble Hill	Mississippi		.10						.54					.17								.14				.12	.10					1.17
Meramec Park[2]	Meramec		.20	T.					.62					1.03												.23				.02		2.10
Morehouse	Mississippi		.13						.91	T.				.70	.04	.48	.14				.30					.39	.26					3.35
New Madrid[2]	do		.23	.08					.64	.55				.56	.02	.67		.03				.10				.65	.20	.04		.11		3.88
Owensville[2]	Gasconade		.05						.34					.41	.03											.09				.01		0.93
Pacific[2]	Meramec		.13	T.						T.				.70	T.											.48				T.	T.	1.31
Parma[2]	St. Francis		.13	.02					.62	.52				.52	.12	.64	.36					.84				.78	.38			.02		4.95
Perryville[2]	Mississippi		.20						1.20	.40				1.20	.10	.40	.05					.10					.30			T.		3.95
Poplar Bluff (A)	Black		T.						.30	.61						T.										.67	.16					1.74
Richwoods[2]	Meramec		.10			.05			.75					1.20												.35						2.45
Rolla[4]	do	.14	.02		T.	T.		.30	T.				.31	.01		.10					.15				.25	T.			.05		1.33
St. Louis:																																	
City Office[1‡]	Mississippi	.01	.17		T.	.02		.61	.20	T.	T.		.24	.22	T.	T.					.05					.09	.19	.08	T.		.04		1.92
Airport[4‡]	Missouri	.10	.04		.05	.02		.60	.01	T.	T.		.16	.34	T.	T.					.02					.30	T.	.03	T.	T.	.08	T.	1.75
St. Louis Univ.[3‡]	Mississippi	.07	.05		.02	T.		.78	.02	.02			.30	.34							.03					.30	.02	.06	T.	.03	.09		2.13
Washington Univ.[2‡]	do		.15			.02			.72	.07				.54								.06				.31	.08			.04		1.99
Salem	Meramec		.17					T.	.30				.12			.10					T.					.38				T.		1.07
Sikeston[2]	Mississippi		.12	.05					.44	.40				.70	1.12	.30	.06	.18				.45				.43	.33					4.58
Union	Meramec		.13			.05		T.	.55	.03			T.	.56												.45				T.		1.77
Valley Park[2]	do		.14			T.			.62	T.				.30	.19	T.						.03				.34	T.			.05	T	1.67
Van Buren	Black		.15					.03	.67				T.	.13												.35						1.33
Wappapello Dam[2]	St. Francis		.07						1.01	.18				.10	T.	.14	T.					.19				.60	.09					2.38
Weingarten[2]	Mississippi		.25						1.60					.45												.21				T.		2.51
West Plains[4]	Black	.15	.03					1.42	T.				.19		T.	T.					.02				.56	.01					2.38
Williamsville[2]	do		.12						1.00	.24				.13		.08						.13				.79	.15					2.64
Willow Sprgs. (near)	White	*	.20		T.			.61	.07	T			•	.25	.05	T					•	.05			•	.52						1.75
Zalma (near)	Mississippi		.15					.02	1.20	.01			T.	.34	T.	.05	.02					.21				.59	.46					3.05
Cairo, Ill.[1‡]	do	.03	.13					.08	1.07	T.		T.	.01	.50	.12	.01	.08				.31	.01			.05	.28	.39			T.	T.	3.07

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for March 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.048	.015	*	.195	.024	.106	.215	.038	.113	.118	.172	.147	.017	.025	.042	.131	.369	.046	.124	.300	.136	.163	.137	.215	.280	.165	.185	.148	.113	.116	.091	3.994
	Mean temperature	30	38	41	40	42	46	38	40	46	52	44	39	40	49	57	64	42	46	51	47	44	50	54	52	62	47	40	38	40	36	40	45.0
	Wind movement	27	30	81	30	42	32	91	88	132	35	51	31	50	33	27	58	214	60	36	93	110	66	22	43	83	153	104	85	117	63	103	2,190
St. Louis (Washington University)	Evaporation	.019	.138	.065	.071	.094	.156	.137	.021	.010	.082	.141	.029	.020	.022	.058	.252	.045	.109	.112	.102	.137	.132	.106	.218	.194	.099	.092	.048	.107	.047		2.958
	Mean temperature	34	36	40	46	44	46	47	38	40	50	48	38	46	44	58	64	40	44	48	56	42	50	56	60	62	58	38	36	38	35	40	45.8
	Wind movement	22	14	48	29	34	24	88	95	108	38	23	54	30	38	21	41	115	25	32	31	69	44	30	14	50	92	50	35	28	62	33	1,417

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for March 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	38	40	49	45	50	65	40	48	52	70	46	50	46	46	71	69	42	54	61	64	53	67	75	72	69	46	50	40	42	41	52	53.3
	Minimum	10	20	25	21	28	28	36	32	31	31	37	29	30	40	39	44	37	33	32	34	32	33	33	40	50	38	30	30	26	28	28	31.8
Chillicothe §§	Maximum	41	39	45	41	48	62	38	46	51	70	43	48	44	44	65	64	42	52	57	62	52	68	76	72	57	41	44	34	40	40	52	50.9
	Minimum	8	19	21	21	27	29	36	29	30	32	36	28	30	37	37	42	35	32	32	38	32	33	39	46	53	35	29	28	25	27	28	31.4
Columbia	Maximum	38	43	52	51	55	64	51	46	53	71	52	48	49	47	75	73	42	54	66	62	52	65	75	74	70	50	45	38	45	40	49	54.7
	Minimum	28	30	27	37	29	37	36	33	31	43	32	30	42	40	47	42	37	34	38	37	33	35	48	55	50	38	31	28	25	29	32	35.9
Fayette	Maximum	37	40	52	50	53	63	51	47	52	70	61	48	46	47	73	76	47	55	63	65	52	65	74	78	66	52	44	42	43	39	50	54.9
	Minimum	21	26	24	32	28	29	36	30	30	38	37	26	38	40	42	45	35	32	32	42	31	34	38	48	49	36	29	28	24	24	28	33.3
Grant City	Maximum	37	39	43	44	50	60	45	43	50	64	61	45	43	41	54	47	45	52	53	57	52	67	70	73	66	52	42	44	35	41	51	50.5
	Minimum	17	22	16	33	26	33	33	34	24	35	33	26	37	35	39	33	33	29	29	37	31	31	39	41	47	32	27	23	23	24	28	30.6
Hannibal	Maximum	45	45	50	50	54	64	53	45	50	65	58	49	43	42	67	71	40	50	54	64	51	63	72	76	73	54	44	34	40	39	49	53.4
	Minimum	25	29	28	34	29	31	36	31	29	33	32	28	38	35	41	38	36	32	31	37	31	36	41	51	50	38	29	27	26	25	31	33.5
Kansas City Airport	Maximum	38	45	57	47	56	62	44	48	59	72	51	50	47	53	69	62	47	58	70	61	56	71	77	70	62	44	46	40	43	41	53	54.8
	Minimum	27	29	29	34	31	40	33	29	31	35	37	36	41	40	40	38	37	33	37	36	34	37	43	54	42	35	30	30	28	29	29	35.0
Kirksville	Maximum	41	45	52	48	53	64	56	41	50	69	64	52	48	40	63	62	50	51	55	61	50	66	78	74	70	55	44	38	34	40	50	53.7
	Minimum	24	28	27	33	29	31	36	32	29	32	32	27	38	36	39	49	35	32	28	43	31	35	35	45	50	36	28	24	24	26	30	33.0
Lawson	Maximum	35	38	50	44	51	60	54	44	54	71	62	45	44	44	66	60	42	53	62	59	52	68	73	70	62	52	44	36	40	40	50	52.4
	Minimum	22	23	22	34	28	38	35	28	28	36	34	32	38	38	40	35	34	30	34	38	30	32	43	49	49	32	27	29	23	26	27	32.7
Louisiana §§	Maximum	42	45	50	52	54	63	53	45	50	65	47	50	46	46	70	79	40	50	57	65	51	62	73	75	73	55	43	35	42	40	47	53.7
	Minimum	23	24	30	28	30	28	32	34	30	31	34	24	24	38	38	38	39	34	28	28	34	34	29	31	48	53	32	29	28	27	27	31.8
Macon §§	Maximum	56	49	61	50	53	65	56	50	61	69	56	53	45	55	73	72	55	55	57	65	54	67	75	75	70	56	59	45	45	56	61	58.7
	Minimum	12	24	23	24	28	27	35	30	30	31	36	27	28	35	36	43	35	30	30	33	31	33	35	38	48	38	29	27	25	26	28	30.8
Maryville	Maximum	36	38	42	39	49	59	50	42	49	69	63	43	41	40	53	46	44	50	52	54	51	64	75	72	63	50	41	37	35	39	48	49.5
	Minimum	17	19	17	32	26	34	34	26	25	36	32	28	37	35	38	32	32	28	32	35	28	31	40	42	43	31	26	25	22	23	25	30.0
Mexico §§	Maximum	39	42	52	45	54	62	45	45	52	69	46	50	45	43	73	75	45	50	60	50	51	65	75	74	70	51	42	35	41	35	47	52.5
	Minimum	18	24	25	25	28	30	35	31	29	32	37	27	33	37	32	40	35	32	33	36	32	35	38	43	50	40	30	29	24	25	27	32.0
Moberly	Maximum	34	41	48	46	48	62	59	43	51	66	61	49	46	45	75	72	54	55	59	64	53	70	74	75	72	59	45	47	43	38	49	54.9
	Minimum	18	29	22	34	27	30	32	30	29	37	34	27	40	37	40	47	35	32	36	38	31	34	43	47	50	35	28	26	22	22	28	32.9
Oregon	Maximum	37	42	53	51	53	59	52	45	55	71	65	47	43	42	58	47	47	54	58	56	54	69	78	74	67	52	42	40	33	42	50	52.8
	Minimum	22	25	23	34	30	39	34	27	29	38	34	38	38	37	40	33	32	30	33	38	31	32	44	48	48	31	27	26	25	24	25	32.7
St. Charles §§	Maximum	44	45	54	59	59	62	58	42	53	66	52	49	52	48	77	82	42	55	63	67	54	69	76	76	75	55	47	47	50	40	50	57.0
	Minimum	23	29	30	32	33	30	30	35	31	33	42	29	31	40	40	48	40	35	32	36	34	37	35	38	53	53	42	30	30	27	30	35.1
St. Joseph	Maximum	36	41	51	41	54	60	40	45	56	72	48	47	44	44	63	44	45	53	61	57	53	69	77	70	62	44	42	34	38	40	51	51.0
	Minimum	25	28	26	33	32	40	32	28	30	39	35	35	39	38	43	34	34	32	36	35	33	35	45	52	44	30	29	29	28	27	27	34.0
Trenton	Maximum	40	43	45	43	50	61	58	48	52	67	63	47	48	46	62	59	53	54	54	60	54	68	75	73	65	52	44	38	37	42	52	53.3
	Minimum	19	24	22	33	29	32	36	28	30	35	35	28	40	36	39	43	35	32	30	41	32	35	36	45	50	35	28	24	25	26	29	32.6
Uniouville §§	Maximum	42	45	50	42	53	61	45	46	50	67	45	49	41	45	60	65	42	47	52	60	50	65	74	75	65	44	40	35	33	41	50	50.9
	Minimum	19	25	22	25	27	29	33	25	25	26	30	25	26	33	34	39	33	29	25	27	29	29	31	35	47	35	25	22	22	23	25	28.4
Warrenton	Maximum	41	42	48	56	57	68	61	46	51	69	69	49	49	49	77	81	77	52	65	64	63	62	76	75	75	63	57	42	46	44	46	58.5
	Minimum	23	28	28	33	30	30	46	33	36	38	40	29	40	38	43	56	37	34	32	50	33	36	43	50	55	48	31	29	25	27	32	36.4
Keokuk, Iowa	Maximum	41	45	49	48	52	60	53	45	46	63	50	49	44	42	61	69	42	45	47	62	49	60	69	74	71	57	38	34	33	38	47	51.1
	Minimum	27	31	30	35	32	36	35	32	30	36	34	28	37	36	40	40	37	34	31	39	33	37	40	52	52	37	30	25	25	28	34	34.6
Southwestern Division																																	
Clinton	Maximum	39	49	56	45	56	65	49	50	61	71	56	48	52	64	80	64	49	60	70	61	55	68	76	67	61	50	50	47	51	44	53	57.1
	Minimum	31	29	25	33	26	35	36	32	29	39	37	33	40	43	43	40	36	32	37	33	30	32	43	51	48	34	30	28	26	29	28	34.5
Eldon §§	Maximum	39	47	56	57	57	61	50	42	56	73	53	48	53	52	74	75	42	..	74	63	53	67	75	73	69	53	43	46	49	42	52	*56.5
	Minimum	20	27	28	27	30	30	32	33	30	31	35	30	29	41	40	45	37	34	..	34	32	37	43	48	42	30	25	27	27	27	27	*32.8
Harrisonville §§	Maximum	37	46	56	40	50	62	38	40	60	65	49	40	42	48	65	51	46	57	68	58	55	70	76	69	56	45	45	47	46	42	52	52.3
	Minimum	20	26	23	22	25	29	36	29	25	30	36	31	35	39	39	43	35	31	33	34	30	31	32	44	49	33	27	30	25	27	25	31.4
Jefferson City §§	Maximum	40	47	54	54	57	66	49	48	55	72	52	47	51	49	73	78	42	55	69	64	53	65	75	74	68	54	45	41	47	41	50	56.0
	Minimum	17	21	26	25	27	26	32	32	29	29	36	28	29	39	38	43	35	32	32	33	31	31	37	39	51	41	28	28	23	23	25	31.2
Joplin	Maximum	40	46	58	50	57	68	61	48	62	68	58	55	55	67	77	67	50	61	72	61	55	70	74	74	65	51	50	52	51	42	50	58.5
	Minimum	34	30	29	37	30	41	36	33	32	51	43	42	46	46	55	40	38	36	47	40	33	41	50	56	50	34	30	35	33	32	28	39.0
Lamar §§	Maximum	41	51	59	48	61	68	42	51	61	70	60	53	57	65	83	66	53	62	70	65	57	72	77	75	61	53	51	52	55	47	53	59.3
	Minimum	16	25	20	20	23	23	35	28	24	28	35	33	36	40	40	45	31	27	27	34	26	27	30	35	45	29	25	25	21	21	20	28.9
Lebanon §§	Maximum	39	47	54	51	56	64	52	46	56	70	55	45	52	64	75	76	46	58	68	61	52	66	73	73	66	53	45	48	52	41	50	56.6
	Minimum	17	27	23	23	27	26	35	30	27	27	36	30	30	39	42	48	34	31	32	34	28	28	35	45	49	39	29	28	22	24	24	31.3
Lexington §§	Maximum	39	45	54	45	57	61	39	48	58	72	51	49	45	49	66	61	42	58	67	62	55	68	76	71	56	46	46	38	43	41	53	53.7
	Minimum	18	27	27	28	30	32	37	30	29	31	38	33	35	39	40	46	36	33	34	38	32	34	42	44	54	35	30	31	27	28	28	33.7
Marshall	Maximum	37	46	46	52	59	63	62	44	60	70	76	61	59	52	71	65	47	56	65	64	52	65	75	74	68	51	48	43	42	40	50	56.7
	Minimum	23	26	27	27	29	35	37	31	31	38	38	29	29	39	42	42	36	34	33	45	32	35	44	51	50	36	29	30	28	26	29	34.3
Mountain Grove	Maximum	39	45	55	58	56	62	61	50	56	70	64	55	63	58	68	79	65	57	65	63	61	66	72	72	68	58	56	49	52	47	49	59.3
	Minimum	29	25	25	34	30	33	44	30	29	39	42	33	42	42	46	59	35	31	38	47	30	36	46	46	49	41	29	30	25	29	26	36.1
Neosho	Maximum	45	48	60	58	58	65	62	50	63	70	68	68	57	65	80	77	57	62	70	78	54	68	74	75	75	55	52	53	55	53	51	62.1
	Minimum	35	30	22	40	26	34	38	33	29	38	39	33	45	40	46	49	34	32	32	50	30	35	38	46	53	32	30	30	26	31	21	35.4
Nevada	Maximum	43	50	58	57	60	67	64	51	61	70	69	57	55	69	78	70	52	62	71	69	56	70	77	74	72	56	52	52	53	50	53	61.2
	Minimum	32	28	23	40	26	37	38	31	31	37	39	36	43	44	45	41	37	32	38	44	31	34	42	48	49	32	29	31	26	30	28	35.5
Sedalia	Maximum	41	46	55	54	56	64	63	48	57	71	69	50	48	51	76	71	45	60	69	68	54	66	75	73	63	55	46	45	41	43	51	57.2
	Minimum	26	28	26	36	28	36	37	30	29	40	37	32	39	39	42	45	35	33	35	44	31	33	44	54	50	35	28	30	25	27	27	34.9
Springfield	Maximum	40	46	54	53	55	65	51	46	57	68	56	49	54	60	78	70	47	58	67	60	52	66	71	74	63	51	45	48	50	42	48	56.3
	Minimum	29	29	27	35	32	35	34	32	30	41	36	36	43	43	47	39	36	35	39	34	31	38	43	48	48	36	29	29	25	28	26	35.2
Warrensburg	Maximum	41	47	55	54	59	63	60	49	58	71	66	49	49	55	76	68	44	58	70	66	55	67	75	71	64	53	45	45	44	42	52	57.1
	Minimum	25	27	21	37	25	38	36	30	28	39	38	32	39	39	40	39	35	31	34	41	29	31	43	52	49	34	28	31	24	28	27	34.0
Southeastern Division																																	
Arcadia §§	Maximum	43	43	57	63	61	63	56	42	57	74	67	52	71	51	75	81	51	60	68	68	55	68	78	76	72	71	49	51	57	42	51	60.4
	Minimum	21	21	29	26	30	26	26	30	29	30	35	28	28	42	43	50	38	33	34	34	..	..	31	32	40	50	34	26	25	29	29	*32.2
Birch Tree (near)	Maximum	39	45	54	54	59	62	58	51	64	70	64	55	71	61	71	80	68	60	61	62	60	66	78	71	66	65	58	52	59	50	52	60.7
	Minimum	25	25	25	29	36	26	46	33	29	34	40	30	41	42	47	60	37	29	30	49	32	31	33	47	52	47	43	22	21	31	23	35.3
Caruthersville §§	Maximum	50	42	57	60	58	65	65	45	55	68	70	62	67	68	80	75	60	63	50	62	57	66	75	75	74	70	51	58	60	49	49	61.5
	Minimum	23	30	29	30	35	29	30	43	33	32	42	39	41	46	48	54	37	34	35	38	38	35	35	40	47	50	45	28	33	35	29	36.9
Crystal City	Maximum	45	43	53	62	58	62	58	42	55	71	62	50	62	53	76	82	47	58	63	69	54	67	71	76	75	69	49	46	53	46	50	58.9
	Minimum	21	27	27	27	32	22	40	36	32	34	41	25	41	42	45	38	35	28	28	48	34	33	29	39	40	49	34	24	25	31	27	33.4
Doniphan	Maximum	46	46	60	65	63	65	62	57	60	63	71	60	76	70	76	83	77	66	70	68	64	70	78	75	72	72	67	59	61	55	52	65.5
	Minimum	26	30	24	26	31	25	49	32	33	30	51	31	45	40	47	62	41	29	28	52	36	28	29	33	50	50	38	25	24	33	23	35.5
Farmington	Maximum	44	40	52	62	60	60	60	54	55	72	61	52	67	60	75	79	70	58	67	67	61	65	76	75	72	67	67	49	54	51	48	61.3
	Minimum	23	29	30	30	31	28	48	33	31	39	48	30	42	42	45	61	41	36	32	50	35	40	34	40	54	51	34	30	28	31	31	37.3
Jackson	Maximum	45	45	52	59	58	61	61	58	58	68	66	63	61	62	75	76	76	59	66	66	63	65	74	74	74	70	65	55	58	58	47	62.5
	Minimum	24	30	31	30	37	28	28	32	31	39	49	31	45	44	47	64	41	34	32	52	37	36	33	39	43	53	33	28	27	33	31	36.8
Poplar Bluff	Maximum	46	48	58	62	60	61	61	51	61	68	69	64	58	69	78	80	76	63	70	77	68	70	78	76	71	69	57	49	63	62	52	64.2
	Minimum	34	33	31	30	31	30	42	33	33	36	51	36	46	43	46	66	40	34	33	42	37	34	35	40	40	51	39	30	36	36	30	38.0
Rolla	Maximum	38	44	52	57	55	62	54	43	54	73	55	46	54	54	70	80	41	55	68	63	61	64	74	74	70	58	45	43	52	43	46	56.4
	Minimum	28	27	26	35	30	30	34	31	29	40	32	28	40	40	42	39	30	30	35	38	30	35	44	46	48	39	29	28	24	26	27	33.5
St. Louis	Maximum	42	42	48	60	54	61	59	42	50	66	58	49	57	47	74	80	43	53	60	68	52	62	74	75	73	65	44	41	47	37	46	55.8
	Minimum	31	30	32	36	36	37	41	34	31	42	40	36	43	41	47	45	39	37	40	43	36	42	45	51	53	43	33	34	30	29	35	38.3
Salem	Maximum	43	44	54	61	58	63	58	51	55	73	67	51	65	56	70	81	60	58	69	64	57	65	75	75	70	64	56	49	54	49	49	60.1
	Minimum	24	27	26	31	33	28	46	31	30	39	44	28	42	44	45	59	37	30	28	50	32	36	38	46	52	45	32	27	25	29	28	35.9
Sikeston §§	Maximum	49	43	52	61	60	65	62	40	59	69	70	60	66	55	79	76	60	64	69	69	58	69	77	76	74	68	53	59	63	50	50	62.1
	Minimum	28	31	30	31	35	31	33	38	32	33	50	35	35	46	46	52	41	36	37	50	38	37	41	43	50	52	36	33	29	39	29	38.0
Union	Maximum	43	46	55	59	60	65	61	52	56	76	73	50	56	51	78	84	62	59	69	67	64	68	79	77	75	66	62	44	53	46	52	61.5
	Minimum	22	27	27	26	30	25	50	34	30	34	41	26	40	40	45	59	38	33	29	48	32	34	29	40	50	49	31	24	24	29	32	34.8
West Plains	Maximum	41	46	55	60	59	64	54	46	58	70	62	49	71	54	74	80	49	60	68	64	54	68	74	74	63	63	47	54	58	45	51	59.2
	Minimum	30	28	29	29	30	29	37	33	33	30	35	32	39	42	49	44	35	30	31	42	34	35	33	38	49	45	28	27	25	31	28	34.2
Cairo, Ill.	Maximum	46	40	51	58	56	62	60	52	56	67	66	59	61	57	76	75	55	60	66	66	55	63	73	73	73	67	52	55	57	45	45	59.6
	Minimum	31	31	32	36	39	35	50	35	32	43	43	37	46	46	53	50	42	38	40	52	40	39	46	52	55	52	35	36	37	36	33	41.0

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 4-22-42—1100.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI APRIL 1942 No. 4

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The weather the past month was considerably warmer and only slightly drier than normal, for the State as a whole, and generally favorable for crop growth, particularly all grasses and small grains. Wind movement this month was again above normal, with high winds on several days, but damage was relatively small.

With the exception of last April, the current month was the warmest of its name since 1930 and only six Aprils in the past 55 years have averaged as warm or warmer. The excess warmth was quite general over the whole State; only one station having a monthly average lower than normal. However, the excess in temperature was less pronounced in the Southeastern Division than over the rest of the State. The 4th, 29th, and 30th were the warmest days, generally, when the maximum temperatures ranged from the middle 80's to as high as 94°, which was the highest for the month. The 1st, 10th, and 11th were the coldest days when minimum readings ranged from the low 30's to as low as 20°, which was the lowest for the month, occurring at two stations in the southern half. Heavy to killing frost was quite general on the 1st, 10th and 11th, and light frost occurred in scattered sections of the State, especially in the rugged parts of the Southeastern Division, as late as the 20th, 21st and 22d, but only minor damage resulted.

Precipitation was only slightly below normal, for the State as a whole, but the distribution was very irregular; monthly totals varying greatly within each division. The Southwestern Division received the most precipitation, averaging 0.45 inch more than normal, while the Northern and Southeastern Divisions averaged 0.31 inch and 0.48 inch, respectively, less than normal. The bulk of the monthly precipitation occurred during the four-day period, 6-9th inclusive, over most of the State, when moderate to heavy rains occurred almost daily. Following this wet period, precipitation was mostly light to moderate until the 25th, when substantial amounts occurred quite generally and continued rather frequently until the close of the month.

Snowfall was very light and of no consequence this month, occurring only on one day at scattered stations in the Northern and Southwestern Divisions. Kirksville was the only station reporting more than a trace of snow.

Farming operations made good progress during April and were mostly up to normal at the close of the month. Considerable corn was planted the latter half and some early planted came up to good stands, but much of the crop remained unplanted at the end of the month. Oat seeding was mostly completed the first week and this crop made good progress throughout the remainder of the month. Wheat and all grasses made wonderful growth and were in excellent condition, although the wheat acreage was the smallest in the State for many years. Gardens and truck crops made fair progress but nights were mostly too cool for best results; however, some gardens in the northern portion of the State had not been planted. Cotton in the southeastern counties was practically all planted this month. Fruit prospects were very good at the close of April.—M. R. W.

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 59.1°, or 3.8° warmer than normal. The highest monthly mean was 62.9° at Joplin, and the lowest monthly mean was

(Continued on page 21)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m. //	1:30 p. m. //	7:30 p. m. //	
Columbia	30.01*	30.41*	20	29.61*	4	9.3	24	sw.	4	75*	52*	54*	71
Kan. C. Airport	29.98	30.41	20	29.55	4	13.1	37	sw.	2	74	53	48	70
St. Joseph	29.98*	30.43*	20	29.43*	30	10.7	27	w.	2	86*	57*	54*	65
St. Louis	30.05*	30.41*	20	29.68*	9	13.8	37	sw.	4	70	47	47	71
Springfield	30.00	30.34	20	29.65	9	14.2	38	ne.	9	80	55	56	55
Cairo, Ill.	30.07§	30.40	20	29.62	9	9.6	31	sw.	2	73	53	..	67
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M. // Central War Time.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	57.9	94	20	1.92	1.54	2.37	1.85	....	5	..	..	..
1889	55.7	90	27	2.66	2.84	3.31	1.83	....	8	..	..	..
1890	56.2	93	25	3.58	2.26	3.43	5.05	....	8	..	..	..
1891	56.8	93	15	3.46	3.88	4.08	2.41	T.	9	..	..	..
1892	53.1	90	24	5.83	5.14	5.35	7.01	0 0	11	9	8	13
1893	53.9	95	19	8.27	6.37	9.14	9.29	0.0	12	8	9	13
1894	56.1	95	20	3.11	2.24	3.52	3.58	T.	8	12	10	8
1895	57.9	100	24	2.04	1.87	2.08	2.17	T.	7	14	8	8
1896	61.9	92	17	3.57	3.10	4.35	3.25	0.0	9	11	12	7
1897	54.4	88	21	4.65	4.07	3.78	6.10	T.	10	10	11	9
1898	52.5	90	14	3.64	3.77	3.75	3.40	T.	10	12	9	9
1899	54.0	96	6	3.80	3.46	4.02	3.93	3.8	8	12	9	9
1900	56.7	89	21	3.50	3.05	3.66	3.78	0.7	9	11	10	9
1901	53.3	94	24	2.96	2.63	2.83	3.41	1.8	8	14	7	9
1902	53.9	95	19	2.82	1.98	3.30	3.18	T.	11	13	11	6
1903	55.9	91	26	3.37	3.97	3.34	2.79	1.2	9	11	10	9
1904	49.0	84	19	5.63	6.14	6.07	4.67	2.7	9	15	6	9
1905	54.9	92	20	3.09	3.66	2.28	3.34	0.3	6	14	8	8
1906	59.5	93	22	2.42	2.67	2.40	2.18	0.0	6	17	7	6
1907	48.7	89	16	3.33	2.62	3.83	3.55	T.	8	11	8	11
1908	56.6	90	18	5.89	2.55	6.58	8.53	T.	11	11	8	11
1909	54.8	93	19	4.72	4.36	3.60	6.21	T.	8	13	9	8
1910	54.8	97	21	3.58	2.74	3.55	4.45	0.9	11	12	7	11
1911	53.5	91	20	4.93	4.28	4.70	5.81	T.	10	12	8	10
1912	56.0	89	24	6.08	3.78	6.47	8.00	0.7	10	13	7	10
1913	56.2	94	25	3.32	3.36	3.10	3.50	T.	7	16	5	9
1914	55.2	91	18	3.14	2.57	3.11	3.75	T.	8	12	7	11
1915	61.9	96	18	2.12	1.93	2.64	1.79	T.	7	16	8	6
1916	53.5	93	21	3.32	2.77	3.93	3.27	1.9	10	11	8	11
1917	53.2	89	19	5.95	5.66	5.08	7.11	1.2	12	12	6	12
1918	50.8	93	19	5.33	3.61	5.26	7.11	0.9	11	12	6	12
1919	55.3	94	20	3.03	3.15	3.46	2.47	T.	9	12	7	11
1920	50.2	89	4	3.82	4.86	3.30	3.31	4.8	11	11	7	12
1921	56.0	91	19	5.36	4.70	5.22	6.16	1.1	10	13	7	10
1922	57.3	91	24	6.41	4.96	8.47	5.81	T.	11	13	6	11
1923	54.2	92	14	3.26	2.52	3.38	3.89	0.4	8	14	8	8
1924	56.6	95	11	2.15	1.26	2.78	2.40	T.	6	14	8	8
1925	61.0	92	24	4.12	4.12	4.73	3.52	0.0	10	12	9	9
1926	49.9	91	11	2.42	2.39	2.17	2.69	2.4	8	14	6	10
1927	57.7	94	18	8.68	6.73	8.61	10.70	T.	14	10	7	13
1928	51.6	88	16	4.86	2.76	5.46	6.37	0.2	8	13	7	10
1929	57.4	96	27	6.15	6.32	6.58	5.56	0.0	12	11	8	11
1930	59.1	96	23	2.02	1.89	2.77	1.39	0.0	8	14	8	8
1931	54.8	90	22	2.96	2.92	2.77	3.18	T.	9	14	6	10
1932	57.6	95	22	2.58	2.43	2.52	2.78	0.0	8	14	8	8
1933	54.9	88	22	3.84	2.08	3.82	5.62	0.7	10	11	9	10
1934	56.5	90	24	2.50	2.06	2.61	2.84	T.	7	16	8	6
1935	52.3	90	23	2.90	3.10	3.02	2.59	0.7	9	9	7	14
1936	53.0	95	9	2.45	2.00	1.93	3.41	0.5	8	16	7	7
1937	54.5	93	21	4.04	3.25	3.67	5.21	T.	10	10	8	12
1938	56.7	89	18	3.68	3.79	4.13	3.13	3.2	10	13	9	8
1939	53.4	88	16	5.01	4.35	4.32	6.36	0.1	10	11	8	11
1940	54.0	92	15	4.41	3.01	4.57	5.64	0.3	11	11	8	11
1941	59.2	90	29	4.49	3.47	6.20	3.81	0.0	10	11	9	10
1942	59.1	94	20	3.83	3.07	4.56	3.87	0.0	9	14	8	8
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period	55.3	100	4	3.95	3.38	4.11	4.35	0.6	9	12	8	10

Natural History Library

Climatological Data for April 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Geutry	930	1	57.4	.....	88	4	26	10†	13	1.80	−0.99	0.70	18	0	9	18	5	7	se.	Curtis E. Grace
Bethany	Harrison	916	47	57.0	+ 5.5	86	4	26	11	49	1.67	−1.62	0.62	30	0	6	19	3	8	s.	A. S. Cumming
Brookfield	Linn	767	1	59.0	.....	86	29†	28	1	1	3.59	.....	1.53	9–10	0	10	19	6	5	se.	E. W. Patrick
Brunswick	Chariton	652	61	57.9	+ 3.7	87	30	30	1	63	4.46	+0.63	1.91	9–10	0	9	17	3	10	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	56.9	.....	94	29	30	11	12	3.26	+0.50	1.04	7	T. ¶	6	17	3	10	se.	Lockmaster
Chillicothe	Livingston	779	33	57.2	+ 5.2	85	4	29	11	36	3.33	+0.11	1.10	10	0	11	20	2	8	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	58.3	+ 4.8	85	4†	29	10†	33	4.54	+1.18	1.28	6	0	10	11	12	7	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	60.4	+ 5.6	90	30	33	11	52	2.67	−1.10	0.94	9	T.	10	12	13	5	s.	U. S. Weather Bureau
Conception	Nodaway	980	53	58.0	+ 5.8	89	4	25	11	58	1.36	−1.37	0.29	13	0	8	8	18	4	se.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	58.6[a]	+ 5.0	87	30	32	11	11	2.36	−0.69	1.64	7	0	4	13[a]	13[a]	3[a]	ne.	Ray E. Mills
Fayette	Howard	760	62	58.1	+ 3.9	87	4	30	1†	59	5.20	+1.65	1.25	9–10	T.	14	16	7	7	s.	Irvin E. Schnell
Fulton	Callaway	818	54	....	.....	..	..	..	..	50	....	.....	.....	.....	.....	..	..	..	..	.....	.....
Grant City	Worth	1,134	38	57.0	+ 4.8	88	4	25	11	50	1.17	−1.79	0.60	25	0	5	9	9	12	se.	Howard Rybolt
Hannibal	Marion	759	50	57.4	+ 4.0	90	30	30	11	58	4.15	+0.96	1.65	6	T.	7	15	2	13	e.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	60.5	+ 5.7	88	4	33	11	53	4.58	+1.44	2.43	5–6	0	9	9	8	13	s.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	60.6	.....	88	4	33	10†	4	4.23	.....	1.78	6	0	6	12	5	13	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	57.6	+ 5.4	85	4	27	11	54	1.69	−1.59	0.80	7	0	9	17	3	10	e.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	58.2	+ 6.3	90	29†	29	11	60	3.16	−0.94	1.46	9–10	1.0	11	14	11	5	sw.	Howard Coons
Lawson	Ray	1,070	4	58.0	.....	85	4	29	11	4	4.10	.....	1.56	6	0	7	10	11	9	se.	Elmer E. Lamb
Louisiana	Pike	469	48	56.3	+ 2.3	90	30	30	1	61	2.84	−0.88	1.20	10	0	9	19	6	5	s.	Stark Bro's Nurseries
Macon	Macon	875	43	57.5	+ 4.4	90	4	29	11	49	3.76	+0.10	1.81	10	T. ¶	9	14	7	9	se.	John W. Atwell
Maryville	Nodaway	1,169	52	57.4	+ 6.6	87	4	25	11	48	1.34	−1.67	0.48	25	0	8	14	7	9	sw.	R. B. Montgomery
Memphis	Scotland	787	3	54.5	.....	87	29	28	12	12	2 54	−0.66	0.80	10	T.	7	16	4	10	sw.	John W. Alexander
Mexico	Audrain	800	53	57.8	+ 4.0	92	30	29	11	64	3.89	+0.14	1.45	8	0	8	18	3	9	s.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	59.6	.....	90	30	29	10	5	5.16	.....	1.60	6	0	8	21	4	5	s.	Beverly Coomes
Oregon	Holt	1,048	86	59.8	+ 7.1	90	4	27	11	86	0.64	−2.65	0.25	25	0	5	19	8	3	sw.	Miss Mina Wright
St. Charles	St. Charles	520	54	59.2	+ 3.6	91	30	33	11	64	2.54	−1.21	1.00	7	0	5	22	1	7	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	59.4	+ 5.9	93	4	30	11	70	1.60	−1.59	0.51	25	0	8	10	7	13	s.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	58.4	.....	90	30	32	11	4	3.82	.....	1.40	7	T. ¶	8	19	6	5	se.	Lockmaster
Shelbina	Shelby	779	1	57.5	.....	89	30	27	11	49	3.65	−0.10	1.11	6	T. ¶	8	17	4	9	e.	Guyman Hatcher
Steffenville	Lewis	650	44	55.6	+ 2.5	88	30	30	11	49	3.70	+0.12	1.25	7	0	7	16	10	4	s.	Frank Hall
Tarkio	Atchison	916	39	57.6	+ 5.4	87	4	25	10	48	1.53	−1.71	0.87	18	0	4	11	13	6	sw.	Albert Volker
Treuton	Grundy	822	46	58.2	+ 5.5	85	4	27	11	47	2.03	−1.55	0.76	25-26	0	9	13	10	7	s.	W. H. Estes
Unionville	Putnam	1,062	49	54.2	+ 3.2	85	30	25	11	49	1.81	−1.89	0.63	6–7	0	8	15	9	6	ne.	C. D. Wilson
Warrenton	Warren	816	60	60.4	+ 5.6	92	30	31	11	52	2.64	−1.40	0.97	7	0	9	12	13	5	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	70	57.4	+ 5.1	89	30	31	11	70	2.40	−0.59	0.78	6	T.	6	16	3	11	se.	U S. Weather Bureau
Division means	**and extremes**	.....	..	**58.0**	**+ 4.9**	**94**	**29**	**25**	**10†**	..	**3.07**	**−0.31**	**2.43**	**5–6**	**T.**	**8**	**15**	**7**	**8**	**s.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	38	60.2	+ 3.5	84	4	22	1	43	8.11	+3.42	2.39	24–25	0	9	..	..	..	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	59.5	+ 3.4	84	4	29	1	50	3.22	−0.91	1.20	6–7	T. ¶	9	14	2	14	sw.	Rolla Brown
Bolivar	Polk	1,071	39	60.8	+ 4.5	86	4	32	1	47	4.22	+0.05	1.56	7	0	11	11	12	7	sw.	Southwest Baptist College
Boonville	Cooper	650	4	57.2	.....	87	4	30	1	65	3.29	−0.58	1.12	7	0	8	15	6	9	se.	Boonville Water Dept.
Carthage	Jasper	962	8	61.4	.....	89	3	20	1	18	5.29	.....	1.23	7	0	10	16	6	8	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	60.5	+ 4.2	85	4	31	10	55	3.45	−0.72	1.13	6–7	T.	11	8	13	9	s.	U. S. Weather Bureau
Eldon	Miller	934	47	58.4	+ 3.0	88	30	29	1	43	2.93	−1.23	0.83	7	0	11	11	11	8	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	....	.....	..	..	32	10	1	2 80	.....	0.85	8	0	9	14	12	4	w.	U. S. Army Medical Corps
Harrisonville	Cass	904	61	57.2	+ 3.3	87	29	30	1†	67	6 00	+2.62	1.77	28	0	11	13	0	17	se.	John H. Patterson
Jefferson City	Cole	557	52	57 3	+ 1.3	88	30	29	1	60	2.80	−1.18	0.71	10	0	9	13	7	10	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	62.9	+ 4.4	85	4	35	10	37	6.11	+1.41	1.26	7	..	12	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	59.6	+ 4.2	88	4†	28	1†	11	2.39	−0.59	0.80	7	0	10	12	10	8	ne.	W. S. Frame
Lamar	Barton	980	54	58.0	+ 1.4	87	4	21	1	61	6.10	+1.58	3.00	7	0	9	14	4	12	se.	Jesse A. Maun
Lebanon	Laclede	1,265	54	57.6	+ 2.1	87	4	23	1	55	5 40	+1.05	2.85	7	0	8	7	11	12	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	58.4	+ 3.8	85	4	29	1	58	4 24	+0.44	1.43	10	0	11	15	9	6	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	61.4	+ 4.9	86	4	32	10	46	5.55	+1.02	1.90	7	0	7	14	10	6	sw.	Hubert A. Nieman
Marshall	Saline	779	55	60.0	+ 5.2	85	4†	31	11	52	5.99	+2.10	1.41	27–28	0	11	16	9	5	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	59.2	+ 4.3	84	4	31	1	45	5.09	+0.57	1.75	8	0	11	11	13	6	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	59.8[b]	+ 3.7	85	4	29	1	42	5.59	+1.14	1.20	8	0	9	4[b]	8[b]	16[b]	s.	G. H. Boswell
Neosho	Newton	1,011	55	61.6	+ 3.3	83	26†	28	1	59	8.55	+3.99	3.55	7	0	12	13	7	10	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	61.8	+ 6.1	84	4†	33	1†	50	4.35	+0.06	1.55	6–7	0	14	9	13	8	sw.	Henry Kraft
Ozark Beach	Taney	700	2	60.6	.....	88	4	26	1	17	4.22	−0.25	1.17	8	0	11	16	4	10	s.	V. Smith
Sedalia	Pettis	910	29	60.8	+ 5.5	87	4	30	10	31	3.20	−0.53	1.03	9	T. ¶	12	19	3	8	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	59.8[a]	+ 3.2	84	18	31	1†	39	6.23	+2.17	1.56	8	0	10	11[a]	10[a]	8[a]	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	58.8	+ 3.1	84	4	26	1	36	4.09	−0.23	1.22	8	0	8	17	5	8	s.	A. L. Hailey
Springfield	Greene	1,301	54	59.8	+ 2.8	85	4	29	1	54	5.19	+1.33	2.08	6–7	0	12	9	7	14	se	U. S. Weather Bureau
Sweet Springs	Saline	700	1	60.2[a]	.....	85	4†	29	1	1	4.93	.....	1.36	9	T. ¶	10	15	10	5	sw	H. F. Nelson
Warrensburg	Johnson	878	55	59.8	+ 3.7	85	4†	31	10	62	4.39	+0.73	1.25	9	T. ¶	9	12	7	11	sw.	E. A. Markey
Warsaw	Benton	687	41	61.2	+ 4.5	87	4	29	1	47	2.75	−1.71	0.60	7	0	11	7	19	4	s.	Everett Martin
Wasola	Ozark	1,294	1	60.8	.....	85	4	29	1	2	5.15	.....	2.13	8	0	8	19	7	4	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**59.8**	**+ 3.7**	**89**	**3**	**20**	**1**	..	**4 56**	**+0.45**	**3.55**	**7**	**0**	**10**	**13**	**8**	**9**	**s.**	
Southeastern Division																					
Advance	Stoddard	354	5	57.8	.....	85	30	26	1	5	4.34	.....	3.42	8	0	9	10	9	11	s.	U. S. Weather Bureau
Arcadia	Iron	926	61	57.8	+ 2.5	88	30	25	1	64	3.09	−1.73	1.60	9	0	12	16	6	8	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	58.8	+ 1.7	84	30	23	1	48	3.64	−1.12	2.19	8–9	0	11	20	3	7	s.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	61.0	.....	84	30	31	1	11	5.17	+1.17	3.34	7–8	0	6	19	5	6	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	61.9	+ 3.2	87	17	32	1	16	5.41	+1.15	3.07	8	0	8	19	5	6	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	60.1	− 0.1	85	29	28	1	50	4.42	−0.10	2.60	9	0	7	19	2	9	s.	Victor T. Malloure
Crystal City	Jefferson	420	8	57.7	.....	90	30	25	1	8	2.61	.....	1.27	8	0	6	17	8	5	s.	Frank Magre
Doniphan	Ripley	314	38	60.4	+ 1.9	87	17	22	1	38	6.11	+1.18	3.62	8	0	10	18	4	8	s.	Boyce Lackey
Farmington	St. Francois	896	31	61.0	+ 4.1	88	30	28	1	45	3.85	−0.67	1.70	17	0	8	11	12	7	s.	F. M. Karsch
Goodland	Iron	1,000	49	56.8	+ 1.8	88	30	20	1	49	2 96	−1.93	1.35	7	0	7	21	2	7	s.	F. M. Adams
Greenville	Wayne	381	33	59.8	+ 3.2	85	30	25	1	55	3.79	−0.91	2.07	8	0	10	12	10	8	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	59 5	+ 2.4	86	29†	27	1	52	4.45	+0.11	3.20	8	0	8	11	8	11	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	59.8[c]	+ 3.0	88	30	32	1	28	2.02	−1.18	0.67	7	0	7	8	11	11	se.	U. S. Army Engineers
Koshkonong	Oregon	958	41	61.4	+ 2.9	83	30	32	1	42	6.56	+1.54	2.57	8	0	9	13	5	12	se.	R. M. Hitt

Continued on next page

Climatological Data for April 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	59.8	.....	87	29†	24	1	5	3.30	.....	1.33	8	0	10	17	6	7	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	58.5	+ 1.3	84	30	23	1	49	3.47	−1.02	1.35	8	0	6	17	5	8	s	R. A. DeWitt
Poplar Bluff	Butler	339	37	61.1	+ 1.6	86	17	29	1	38	6.12	+1.61	3.48	9	0	8	15	7	8	se.	B. R. Wheetley
Rolla	Phelps	1,202	42	58.9	+ 3.0	88	30	31	1	58	2.97	−1.25	0.95	6-7	0	8	4	18	8	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	60.1	+ 4.0	88	30	34	11	105	2.19	−1.62	0.85	8-9	0	5	14	9	7	s.	**Section Center**
St. Louis Airport	St. Louis	556	5	59.4	.....	90	30	34	11	11	2.05	.....	0.75	8-9	T.	5	12	6	12	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	60.2	+ 4.5	89	30	35	11	30	2.76	−1.10	1.11	6-7	0	6	17	5	8	se.	St. Louis University
Salem	Dent	1,173	38	59.4	+ 3.4	87	29†	27	1	41	3.29	−1.21	1.79	6-7	0	8	20	4	6	s.	E. E. Martin
Sikeston	Scott	318	35	60.2	+ 2.1	87	29	31	1	45	4.60	−0.02	3.40	9	0	7	16	8	6	s.	Mrs. Hazelle P. Young
Union	Franklin	520	4	58.7	.....	92	30	24	1	25	2.18	−2.18	0.79	8	0	7	23	1	6	s.	Robert Mueller
Wappapello Dam	Butler	475	3	60.2	.....	84	4	32	1	3	5.64	.....	3.10	9	0	9	10	12	8	s.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	59.2[b]	.....	82	5†	34	1	2	1.84	.....	1 52	9	0	4	14	6	10	s.	John A. Kettinger
West Plains	Howell	1,005	5	59.4	.....	83	4	24	1	5	4.56	.....	2.18	8	0	8	9	11	10	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	59.6	.....	85	4	21	1	35	5.17	+0.33	1.26	17-18	0	12	15	9	6	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	315	70	61.3	+ 3.2	84	29	35	1	71	4.19	+0.47	3.48	8-9	0	6	7	13	10	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	59.6	+ 2.6	92	30	20	1	..	3.87	−0.48	4.11	8	0	8	15	7	8	s.	
State means	**and extremes**	.....	..	59.1	+ 3.8	94	29	20	1	..	3.83	−0.12	4.11	8	0	9	14	8	8	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.
NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 19)

54.2° at Unionville. The highest recorded was 94° at Canton on the 29th, and the lowest was 20° at Carthage and Goodland on the 1st.

PRECIPITATION

The average for the State, 157 stations reporting, was 3.83 inches, or 0.12 inch less than normal. The greatest local monthly amount was 8.55 inches at Neosho, and the least local monthly amount was 0.64 inch at Oregon. The greatest amount in any twenty-four hours was 4.11 inches at Alton(near) on the 8th. The average number of days with 0.01 inch or more was 9.

Snowfall for the State was of little consequence, with only one station reporting a measurable amount and several stations only a trace of snow. Normal for April is 0.6 inch.

MISCELLANEOUS PHENOMENA

Aurora.—17th.

Duststorm.—Locally on 27th.

Floods.—In Black River, at Poplar Bluff, 9-12th. In Meramec River 10-11th. In Mississippi River, at Hannibal and Louisiana, on 11th; at Louisiana 18-20th; at Cairo, Ill., and immediately below, 13-19th. In St. Francis River, at Fisk, 10-16th.

Fogs.—Dense, 4th, 9th, 13th, 14th, 17th, 27th, 28th, 29th.

Frosts.—Light, 1st, 8th, 10th, 20th, 21st, 22d; heavy, 1st, 10th, 20th; killing, 1st, 10th, 11th.

Hail.—Light, 3d at King City; 5th at Linneus; 6th at Memphis and St. Louis University; 25th at Grant City, King City, Lawson, and Maryville; 27th at Altona, Lexington, Mount Vernon, Sweet Springs, and Warsaw; 29th at Canton, Fayette, Linneus, and Paris; 30th at Brunswick, Clifton Hill, and Marshall. Moderate, 5th at Oregon. Heavy, 27th at Pleasant Hill, and in central Johnson County. At latter place stones ranged up to one and one-half inches in diameter, and many windows were broken, composition roofs damaged, and gardens ruined.

Halos.—Solar, 2d, 5th, 8th, 12th, 18th, 20th, 21st, 23d, 24th, 27th; lunar, 1st, 2d, 3d, 5th, 23d, 27th, 29th, 30th.

Sleet.—9th, 12th, 13th.

Thunderstorms.—Local, 2d, 3d, 4th, 5th, 7th, 8th, 9th, 13th, 14th, 16th, 17th, 18th, 24th, 25th, 26th, 28th, 29th; more or less general, 6th, 27th, 30th.

Tornadoes.—27th, 30th. (See special tornado notes.)

Windstorms.—Damaging windstorms occurred quite generally on the 27th. At Fayette and vicinity one person was killed and outbuildings blown over. At Maryville trees and outbuildings were damaged. At Oregon buildings and trees were damaged. Barns were blown down at Pleasant Hill. Total amount of damage not known.

TORNADOES

On the afternoon of the 27th, between 1 and 2 p. m., a small tornado struck the central part of Johnson County, accompanied by heavy hail, and resulted in an unestimated amount of damage to houses, barns, small outbuildings, and trees. The storm moved from southwest to northeast through the central part of the county over a path three miles wide.

During severe thunderstorms about 11:45 p. m. April 30, 1942, winds undoubtedly of tornadic formation, resulted in the death of one man and property damage of approximately $25,000.

In the city of Springfield the principal damage was the destruction of a parking shed on Mitchell St., the metal roof being carried some distance, breaking some main electric leads, resulting in a large part of the city being without light or power for several hours. The local damage was about $500.

A well-defined small tornado struck about the same time near Seymour, Mo., causing widespread property damage over a path 2 miles long and 1,500 feet wide. One home, several barns and numerous outbuildings were completely demolished. Wm. C. Hodges, age 83, was killed by being crushed under bricks and timbers when the Fred Shepard farm home was demolished. Some live stock and chickens were killed. (Notes on April 30th tornado from report by O. I. C., Springfield, Mo.)

ERRATA

March 1942, page 14: Mean temperature and greatest precipitation in 24 hours at Advance should be 47.6 and 1.39 respectively. Page 18: Minimum temperature on 22d at West Plains should be 36; minimum temperature on 11th, 23d, and 24th, at Columbia should be 34, 47, and 54 respectively.

Daily Precipitation for April 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand			.16		.03	.02							.25					.70						.21	.14	.08				.21		1.80
Amity[2]	do					.07	.17	.61					T.	T.	T.				T.	.58						.10	.65	.04	.21	T.	.15		2.58
Bethany	do						.36							.07												.23	.18	.21			.62		1.67
Bowling Green[2]	Mississippi							.82	.45	.21	.75							.42								.06			.44		.15		3.30
Brookfield	Grand			.06		.29	*	.87		*	1.53		T.							.05						.30		.44			.05		3.69
Brunswick[2]	do			.02			T.	1.28	.17	.04	1.87		.12					T.		.08					.30			.58		T.		4.46
Canton, Lock No. 20[2]	Mississippi			T.			T.	1.04	.04	T.	.85			T.	T.			.19							T.	T.		.32		.82		3.26
Centralia[2]	do							1.14	.52	.01	1.05							.29							.04			.29				3.34
Chillicothe[2] (A)	Grand			T.		.16	.04	.74			1.10		.09	.01						.09					.18	.53	.01	.38				3.33
Clifton Hill	Chariton					T.	1.28	.51		1.26	.07			.02				.20							.20		.44		.35	.21		4.54
Columbia [1‡]	Missouri						.59	.56	.09	.94			.02	T.				.14		.03					.09		.03			.18		2.67
Conception	do			.10		.14	T.							.29				.05		.20					.28		.21			.09		1.36
Ediua[2]	Mississippi							.81			1.72							.66							.05			.21		T.		3.45
Elberry	do						.30	1.64	.20	.22																T.						2.36
Farber[2]	do							.93	.54	.04	.79		.04					.20							T.		T.	.20				2.74
Fayette	Missouri						.95	.89	.01	*	1.25		.05	T.			.05	.14	.09						.18		.45	.03	1.10	.01		5.20
Fulton[2]	do																																
Gallatin[2]	Grand						T.	.73																	.05	.52		.22				1.52
Grant City	do					T.	T.						T.	.10					.09						.60	T.	.16			.22		1.17
Hannibal[3] (A)	Mississippi						1.65	.89		1.13			T.	.03											.04		.37		.04			4.15
Hermann[2]	Missouri							.83	.57	.52	.56		.02					.10							.08			.12				2.80
Kahoka[2]	Mississippi			.10			.12	.88			1.47		T.	.13			*	.25							.04			.28		.35		3.62
Kansas City Airport [1‡]	Missouri					.02	2.41	T.	T.	.67		.03	.18						T.					.01	.43		.59			.24		4.58
Kansas City University	do						1.78			1.02	T.	T.	.11	T.										T.	.27		.68			.37		4.23
Kidder[2]	Grand			.11		T.	.05	.80			.17	.04	.03	T.					.17							.09		.23				1.69
King City	Missouri			.08		T.	.15						T.	.10					.43						.25		.17					1.18
Kirksville	Mississippi					.43	.55	.11		1.10	.36		.05	.06			.01								.19	.01	.28		T.			3.16
LaBelle[2]	do						1.04	.07			1.19			*	.07			.14										.39		.59		3.49
Lawson	Missouri					T.	1.56			.72			.31						.09					T.	.53		.39			.47		4.10
Linneus[2]	Grand			.11		.03	.13	.85		T.	1.16		.03	.02						.13					.24	1.61		.56		.02		4.89
Louisiana[2] (A)	Mississippi							.30	.70	T.	1.20			.02				.02							.05		.02	.40		.13		2.84
Lucerne[2]	Grand					.02		.48						.04	.01										.17	.45		.24				1.41
Macon[2]	Chariton			.01		.08	T.	.94	.10	T.	1.81		.04	.15	T.			T.							.16	T.		.47	T.	T.		3.76
Madison[2]	Mississippi							1.78	.33			1.13													.03			.61		T.		3.88
Maryville	Missouri					.11							T.	.24			.04		.19						.48	.03	.01			.24		1.34
Memphis[2]	Mississippi					.22	.47	.63			.80			T.	.01										T.			.26		.15		2.54
Mexico[2]	do							.85	1.45	.10	1.00		.03					.35									.05		.06		3.89
Milan[2]	Grand					.42	.68	.63			.54		.06	.04	.03										T.	1.07		.68				4.15
Moberly	Mississippi					T.	1.60	1.00		*	1.53						T.		.04						.22			.50		.27		5.16
Monroe City	do						1.38	1.14		.97	.21			.05				.09							.05		.46		.84			5.19
New Florence[4]	Missouri						.83	.47	.37	.67	T.		T.												.07	.02	.11					2.71
Oregon	do					.20	.10											.17		T.					.25		.04			.05		0.64
Palmyra[2]	Mississippi			T.				1.65	.44	T.	1.06		T.	T.					T.						.03			.32		1.25		4.75
Paris[2]	do							1.27	.59		1.32			.13	T.				T.						.02			.32		.52		4.17
Perry	do						*	1.51		.78	.22							.22										*		.36			3.09
Philadelphia[2]	do			.05				1.05	.74		1.24	.05			.04										.05			.27		1.10		4.59
Platte City[2]	Missouri						.40	.54	T.		.20		.34	.01											T.		.40	.19		T.		2.08
St. Charles[2]	do							1.00	.45	.72	.36																	.01				2.54
St. Joseph[1‡]	do				.09	.10	.34						.30						.02						.51		.22			.02		1.60
Saverton, Lock No. 22[2]	Mississippi							1.40	.67	T.	1.15		T.	.01	T.			.07							T.	T.	.03	.47		.02		3.82
Shelbina	do					T.	1.11	.78	T.	1.03	.17		.11	T.			.08								.06		.31					3.65
Shelbyville[2]	do			.12				1.43	.27		1.05																	.32		.12		3.31
Steffenville[2]	do							1.25	.10	T.	1.08				.03										.04		T.	.35		.85		3.70
Tarkio	Missouri																.17		.87						.22					.27		1.53
Trenton	Grand			.06	.08		.73			.16				.05					T.					T.	.41	.35	.14			.05		2.03
Troy[2]	Mississippi							1.04	.62	.42	.40			.02				T.							.01		T.	.05				2.56
Unionville[2]	Chariton					.10	.25	.38			.11			.14											.13	.38		.32				1.81
Warrenton	Mississippi						.55	.97	.40	.33	.09		T.					T.							.13	.02		.10	.05			2.64
Keokuk, Iowa[3]	do		T.			T.	.78			.41				.03			.18								T.		.25		.75			2.40
Southwestern Division																																	
Altona[2]	Osage							.90	T	.42	.75		T.					T.	T.	T.						.50			.40				2.97
Anderson (near)	Neosho						.70	1.53	1.24	.66	T.			.60	.72	T.			T.						.70	1.69		.27					8.11
Appleton City	Osage						.54	.66	.26	.95			.12	.05			.02		.05						.57							3.22
Bolivar	do						.36	1.56	.67	.42	.01		.12	.15				.38		.03					.36		.16			T.		4.22
Boonville[2] (A)	Missouri							1.12	.30	.10	.93		.10				T.			.34					.10			.30				3.29
Buffalo[2]	Osage							1.50	.59	.53	.45		.15	.04	.04			.10		.03					.15			.15				3.73
Butler[2]	do						.01	1.12	*	.23	.72		.11							.04	.20				.60	T.						3.03
Caplinger Mills[2]	do							1.40	.20	.60	.20		.05	T.	T.			.05	T.	T.	T.				.55			.12				3.17
Carthage	Neosho						.40	1.23	.78	.50				.30					.62	.31					1.04		.10		.01			5.29
Clinton[4]	Osage						.75	.50	.19	1.01			.10	.02			.09							.35	.15		.16			.13		3.45
Concordia[2]	Missouri																																
Crocker	Osage						.46	1.25	.96	1.18	.15		.22	.11											.03			.33				4.69
Eldon[2]	Missouri							.83	.15	.54	.63		.07	.04	.03			.13							.14			.36	.01			2.93
Eldorado Springs	Osage					T.	.33	1.02	.42	.60			.26	.03			.04	.13	T.	.16					.65		.17		.01			3.82
Fort Leonard Wood	Gasconade						.50	.50	.85	*	.55		.10	*	.15			T.							T.	T.		.15				2.80
Galena[2]	White							2.80	1.15	1.10				.16				1.10							.60			.15				7.06
Hailey	do						.92	.71	1.34	.42	T.		.12					.56	.21	T.					.83		.32	.02				5.45
Harrisonville[2]	Osage						.03	1.68	.02	.20	1.34		.17	.04				.02							.48	.25		1.77				6.00
Higginsville[2]	Missouri																																
Jefferson City[2]	do							.60	.21	.57	.71		.31					.02		.30					.01			.07				2.80
Joplin[1]	Neosho						.40	1.26	.86	1.03				.19					.10	.66		.05			.20	.95		.06			.35		6.11
Lakeside[2]	Osage							.80	.13	.60	.27		.06	.10	.02			.01								.11			.29				2.39
Lamar[2]	Neosho						T.	3.00	.25	.50	.55			T.	.15				.32	.45					.85			.03				6.10
Lebanon[2]	Osage							2.85	.72	.65	.59		.03	.06											.10			.40				5.40
Lexington[2]	Missouri						.07	1.04	.07	.03	1.43		.70					.05							.16	.05	.02	.62				4.24
Lockwood	Osage						1.40	1.90	.65	.61		T.	T.	.18			T.								.63		.18					5.55
Manes[2]	Gasconade							1.13	1.17	.86	.31		.02	.12	.04			T.	.15						.20			.55				4.55
Marshall	Missouri						.98	.67		1.00	.13		1.22				.05		.06					T.	.33		1.25	.16		.14		5.99
Mountain Grove	White						.90	.43	1.75	.49	.05		.10	.16											.31	.10	.02	.78				5 09
Mount Vernon	Neosho						.95	1.00	1.20	.65				.30				.12		.27					.90		.20					5.59
Neosho	do						1.01	3 55	.99	.68	.03			.39					.07	.22		.02			1.50		.17	.02				8.55
Nevada	Osage						.42	1.13	.39	.68	.05		.18				.07	.02	.24	.30		.02			.70		.14			.11		4.35
Osceola[2]	do						T.	1.20	.12	.40	.30		.07	.01	T.			.25		T.					.45			.15				2.95
Ozark Beach[2]	White							.46	1.17	1.01	.03			.15				.05	.18	.10					.32	.26		.49				4.22
Pleasant Hill[2]	Osage							1.40	.12	.16	1.25		.24	.04				.02	T.						.35	.34		2.86		T.		6.78
Roby	Gasconade						.25	.84	1.54	.42	.02		.08	.15	T.			.02							.15			.22				3 69
St. Thomas (near)[2]	Osage							1.17	.15	1.00	.82		.22		.08			.21										.35				4.00
Sedalia	Missouri						.60	.38	.12	1.03	.02		.15	.01			T.	.04							.36		.44	.03		.02		3.20
Seligman	Neosho						1.05	.55	1.56	.46				.21				.28	.02	T.				T.	1.53		.50	.07				6.23
Seymour (near)	White						.52	.83	1.22	.60				.15											.25		.10	.42				4.09

Continued on next page

Daily Precipitation for April 1942 - Continued from preceding page

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																
Springfield[1‡]	White	....	....	....	....	....	1.56	.53	1.12	.30	....	T.	T.	.09	....	....	....	.83	.01	T.	....	.05	....	....	.11	.13	T.	.06	....	....	.40	....	5.19
Stover[2]	Missouri	....	....	....	....	....	....	.83	....	.72	.65	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	.23	....	....	....	....	....	....	2.53
Sweet Springs	....do	....	....	....	....	....	.95	.42	.01	1.36	.07	.60	....	....	T.	....	....	....	.12	....	....	....	....	....	....	.29	....	.95	.10	T.	T.	....	4.93
Warrensburg	....do	....	....	....	....	....	1.06	.35	.05	1.25	.05	....	.08	....	....	....	....	....	....	....	....	....	....	....	T.	.41	....	1.10	....	.04	T.	....	4.39
Warsaw (A)	Osage	....	....	....	....	....	.46	.60	.28	.35	....	....	.11	.02	....	....	.16	....	....	....	....	....	....	....	....	.41	....	.29	....	.05	.02	....	2.75
Wasola	White	....	....	....	....	....	.72	T.	2.13	1.04	....	....	....	.27	....	....	....	.15	.08	....	....	....	....	....	....	.39	....	.37	....	....	....	....	5.15
Waverly[2]	Missouri	....	....	....	....	....	.02	1.60	.18	.05	1.74	....	.25	.05	....	....	....	....	.08	....	....	....	....	....	....	.32	.07	....	.76	....	T.	....	5.12
Southeastern Division																																
Advance[4]	St. Francis	....	....	....	....	....	.01	.07	3.42	.35	....	....	T.	.10	....	....	....	....	....	....	....	....	....	....	....	.02	.13	.13	.11	....	....	....	4.34
Alton (near)	Black	....	....	....	....	....	....	1.12	4.11	.22	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	....	.50	.73	.08	.86	....	....	....	7.84
Annapolis	St. Francis	....	....	....	....	....	.03	.45	2.08	.27	.02	....	.06	....	....	....	....	....	....	....	....	....	....	....	....	.20	.05	....	....	....	....	....	3.16
Arcadia[2]	....do	....	....	....	....	....	....	.42	.33	1.60	.19	....	.06	.05	.11	....	....	.03	.04	....	....	....	....	....	....	.01	.08	....	.17	T.	....	....	3.09
Belleview	Meramec	....	....	....	....	....	.08	.46	1.45	.51	....	....	.30	.14	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	.08	....	....	....	3.24
Birch Tree (near)	Black	....	....	....	....	....	.16	.22	1.89	.30	....	....	.07	.17	....	....	....	.18	....	....	....	....	....	....	....	.16	.06	.03	.40	....	....	....	3.64
Bragg City	St. Francis	....	....	....	....	....	T.	.77	2.57	1.14	....	....	T	.10	....	....	....	....	....	....	....	....	....	....	....	T.	.19	T.	.40	....	T.	....	5.17
Campbell	....do	....	....	....	....	....	.03	.46	3.07	.76	....	....	....	.21	....	....	....	....	....	....	....	....	....	....	....	.08	.15	T.	.65	....	....	....	5.41
Cape Girardeau[2]	Mississippi	....	....	....	....	....	....	.12	.32	3.10	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	.01	.05	....	....	....	3.78
Carruthersville[2]	....do	....	....	....	....	....	....	T.	.95	2.60	.25	....	....	.06	.05	....	....	....	....	....	....	....	....	....	....	....	.23	....	.28	....	....	....	4.42
Centerville[2]	Black	....	....	....	....	....	....	.52	.75	1.08	.25	....	....	.09	.07	....	....	....	.52	....	....	....	....	....	....	.08	.06	T.	.13	....	....	....	3.55
Crystal City	Mississippi	....	....	....	....	....	*	.81	1.27	.43	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	....	....	....	2.61
Deering[2]	St. Francis	....	....	....	....	....	....	.49	1.15	3.08	.05	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	.39	....	....	....	5.23
Dexter[2]	....do	....	....	....	....	....	....	.11	.10	3.86	.12	T	....	T.	.12	....	....	....	....	....	....	....	....	....	....	....	.18	.04	.68	....	....	....	5.21
Doniphan	Black	....	....	....	....	....	.07	.17	3.62	.50	.02	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	.37	.34	.09	.82	....	T.	....	6.11
Farmington	St. Francis	....	....	....	....	....	T.	.29	1.24	.37	.03	....	.04	.12	....	....	T.	1.70	....	....	....	....	....	....	....	T.	....	....	.06	....	....	....	3.85
Fisk[2]	....do	....	....	....	....	....	....	.31	1.13	3.16	.09	....	....	.03	.17	....	....	T.	....	....	....	....	....	....	....	....	.19	....	.61	....	....	....	5.69
Fredericktown[2]	....do	....	....	....	....	....	....	.22	.21	1.84	.16	....	....	....	.09	....	....	.13	.06	....	....	....	....	....	....	....	.12	....	....	....	....	....	2.83
Gerald[2]	Meramec	....	....	....	....	....	....	.51	.85	.48	....	....	.51	....	....	....	....	....	....	....	.08	....	....	....	....	....	....	....	....	....	.15	....	2.58
Goodland	Black	....	....	....	....	.05	.65	1.35	.53	.05	....	....	.18	.15	....	....	....	....	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	2.96
Greenville	St. Francis	....	....	....	....	....	.02	.37	2.07	.21	.02	....	....	14	....	....	....	.16	....	....	....	....	....	.23	.10	....	....	.47	....	....	....	....	3.79
Jackson	Mississippi	....	....	....	....	....	....	.36	3.20	.48	.08	....	.02	.07	....	....	....	....	....	....	....	....	....	....	....	....	.13	....	.11	....	....	....	4.45
Jefferson Barracks	....do	....	T.	....	....	....	.08	.67	.65	.42	.08	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.08	....	....	.04	....	....	....	2.02
Jerome[2]	Gasconade	....	....	....	....	....	....	1.38	.40	.45	.38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	.20	....	....	....	2.86
Koshkonong	Black	....	....	....	....	....	.27	.77	2.57	.37	....	....	....	.32	....	....	....	....	....	.02	....	....	....	....	....	.40	.50	T.	1.34	....	....	....	6.56
Leeper[2]	....do	....	....	....	....	....	....	.30	1.03	2.15	.27	....	....	.05	T.	....	....	T.	T.	....	....	....	....	....	....	.19	.23	....	.65	....	....	....	4.87
Licking (near)	Gasconade	....	....	....	....	....	.30	.60	1.33	.46	.04	....	.06	.12	....	....	....	.01	....	....	....	....	....	....	....	....	....	.22	.16	....	....	....	3.30
Marble Hill	Mississippi	....	....	....	....	....	....	.38	1.35	.34	....	....	....	1.08	....	....	....	....	....	....	....	....	....	....	....	....	.12	....	.20	....	....	....	3.47
Meramec Park[2]	Meramec	....	....	....	....	....	....	1.07	1.28	.96	.83	T	.12	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.26	....	....	....	4.52
Morehouse	Mississippi	....	....	....	....	....	T.	.26	3.42	.87	T.	....	T.	.08	....	....	....	....	....	....	....	....	....	....	....	.03	.06	T.	.43	....	....	....	5.15
New Madrid[2]	....do	....	....	....	....	....	....	.06	.53	3.05	.13	....	....	T.	.13	....	....	....	....	....	....	....	....	....	....	....	.09	.05	.47	.06	....	....	4.57
Owensville[2]	Gasconade	....	....	....	....	....	....	.81	.53	.48	.45	....	.01	....	....	....	....	.07	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	¶2.42
Pacific[2]	Meramec	....	....	....	....	....	....	.70	.40	.30	.40	....	T.	T.	....	....	....	....	....	....	....	....	....	....	....	.10	T.	....	....	....	....	....	1.90
Parma[2]	St. Francis	....	....	....	....	....	....	T.	1.10	2.67	.06	....	....	T.	.16	....	....	....	....	....	....	....	....	....	....	....	.08	.02	.33	....	....	....	4.42
Perryville[2]	Mississippi	....	....	....	....	....	....	....	.50	2.00	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	.10	....	....	....	....	3.00
Poplar Bluff[2] (A)	Black	....	....	....	....	....	....	.15	1.11	3.48	.06	....	....	T.	.06	....	....	....	....	....	....	....	....	....	....	....	.20	.14	.92	....	....	....	6.12
Richwoods[2]	Meramec	....	....	....	....	....	....	....	1.00	.19	.35	....	T.	T	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	....	1.56
Rolla[4]	....do	....	....	....	....	....	.60	.47	.89	.66	....	....	.10	.08	....	....	....	....	....	....	....	....	....	....	....	.04	T.	.13	....	....	....	....	2.97
St. Louis:																																
City Office[1‡]	Mississippi	....	T.	....	....	....	.25	.60	.72	.57	T.	....	T.	T.	....	....	....	T.	....	....	....	....	....	....	....	.05	T.	T.	....	T.	T.	....	2.19
Airport[4‡]	Missouri	....	....	....	....	....	.49	.50	.71	.34	T.	....	T	T.	....	....	....	T.	....	....	....	....	....	....	....	.01	T.	T.	....	T.	....	....	2.05
St. Louis Univ.[3‡]	Mississippi	....	T.	....	....	....	.58	.53	.85	.75	T.	....	T.	T.	....	....	....	....	....	....	....	....	....	....	....	.04	....	.01	....	....	....	....	2.76
Washington Univ.[2‡]	....do	....	....	....	....	....	.07	.47	.25	.76	.52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	....	....	....	2.08
Salem	Meramec	....	....	....	....	....	.75	1.04	.66	.48	....	....	.08	.04	....	....	....	T.	....	....	....	....	....	....	....	.12	....	.12	....	....	....	....	3.29
Sikeston[2]	Mississippi	....	....	....	....	....	....	.07	.66	3.40	.09	....	....	T.	.06	....	....	....	....	....	....	....	....	....	....	....	.07	T.	.25	....	....	....	4.60
Union	Meramec	....	....	....	....	....	.34	.50	.79	.38	.08	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	.05	....	....	....	2.18
Valley Park[2]	....do	....	....	....	....	....	....	.44	.33	.89	.40	....	....	T.	T.	....	....	....	....	....	....	....	....	....	....	T.	T.	....	.03	....	....	....	2.09
Van Buren	Black	....	....	....	....	....	.04	.41	1.60	.16	....	....	....	T.	....	....	....	.03	....	....	....	....	....	....	....	.22	.03	.02	.31	....	....	....	2.82
Wappapello Dam[2]	St. Francis	....	....	....	....	....	....	.17	1.33	3.10	.05	....	....	.05	.08	....	....	....	T.	....	....	....	....	....	....	T.	.30	.01	.55	....	....	....	5.64
Weingarten[2]	Mississippi	....	....	....	....	....	....	.15	....	1.52	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	.09	....	....	....	....	....	1.84
West Plains[4]	Black	....	....	....	....	....	.40	.16	2.18	.24	....	....	T.	.19	....	....	T.	....	....	....	....	....	....	....	T.	.49	T.	.88	.02	....	....	....	4.56
Williamsville[2]	....do	....	....	....	....	....	....	.12	1.68	2.41	.07	....	....	.03	.09	....	....	.44	....	....	....	....	....	....	T	.04	.48	.02	.74	....	....	....	6.12
Willow Sprgs. (near)	White	....	....	....	....	....	.35	.21	1.22	.60	....	....	.10	.26	....	....	....	*	1.26	....	....	....	....	....	....	.22	.11	....	.57	....	.27	....	5.17
Zalma (near)	Mississippi	....	....	....	....	....	T.	.22	3.55	.34	....	....	.02	.05	....	....	....	....	....	....	....	....	....	....	....	.06	.16	T.	.14	....	T.	....	4.54
Cairo, Ill.[1‡]	....do	....	....	....	....	....	T.	.36	3.12	.41	....	....	T.	.02	....	....	....	....	....	....	....	....	....	....	....	T.	.24	T.	.04	....	T.	....	4.19
		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for April 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.081	.259	.354	.183	.407	.314	.010	.036	****	.002	.208	.168	.076	.095	.183	.306	.211	.298	.299	.247	.154	.217	.265	.352	.332	.151	.249	.190	.271	.324	....	6.229
	Mean temperature	48	53	59	66	64	66	50	41	40	49	46	48	54	62	65	68	68	66	58	50	60	60	62	65	64	72	70	67	71	78	..	59.6
	Wind movement	63	74	148	24	105	89	41	71	72	84	76	61	52	32	37	73	27	60	89	59	26	14	36	56	79	90	44	57	52	98	..	1,889
St. Louis (Washington University)	Evaporation	.043	.176	.208	.147	.302	.264	.002	.062	.027	.023	.170	.160	.042	.041	.173	.236	.182	.260	.216	.173	.133	.178	.228	.245	.211	.070	.072	.222	.201	.202	....	4.669
	Mean temperature	48	60	60	66	69	65	48	40	40	48	40	42	52	62	66	72	68	54	50	52	56	58	64	65	62	64	70	70	72	76	..	58.5
	Wind movement	25	35	62	24	89	69	46	130	124	115	63	58	20	26	38	59	34	73	83	60	20	29	13	21	21	27	16	43	14	27	..	1,464

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. **** —0.13.

Daily Temperatures for April 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	68	79	71	85	79	65	48	49	41	60	52	54	71	76	81	81	75	61	65	67	74	78	85	80	73	78	75	80	85	87	..	70.8
	Minimum	30	33	42	41	51	58	43	39	40	32	31	31	38	42	51	57	52	52	41	41	41	44	45	49	56	56	59	45	45	65	..	45.0
Chillicothe §§	Maximum	68	78	72	85	73	55	50	47	41	58	58	55	72	76	81	81	73	52	62	72	74	77	80	79	74	78	70	81	84	84	..	69.7
	Minimum	31	35	38	42	53	52	40	37	38	30	29	34	39	46	54	59	48	50	34	38	40	46	49	54	50	56	59	42	56	62	..	44.7
Columbia	Maximum	67	77	69	88	81	68	54	42	41	62	50	54	69	76	81	82	75	60	63	66	73	76	81	80	70	79	81	84	88	90	..	70.9
	Minimum	36	55	45	54	62	54	41	40	36	33	33	39	48	53	59	61	55	50	42	43	45	47	51	59	57	58	61	51	66	65	..	50.0
Fayette	Maximum	66	76	71	87	81	75	62	46	42	60	56	54	68	74	80	79	72	62	60	64	72	73	79	78	75	77	78	81	85	85	..	70.6
	Minimum	30	45	40	45	57	58	39	38	33	30	30	36	44	46	51	54	50	48	39	38	43	43	47	56	54	56	55	45	59	60	..	45.6
Grant City	Maximum	68	74	69	88	76	67	52	48	54	57	53	58	73	74	80	76	72	69	69	68	72	77	78	77	69	76	76	78	80	76	..	70.1
	Minimum	29	45	35	51	47	43	36	35	35	28	25	40	40	48	54	60	47	47	37	34	35	43	50	55	54	53	53	40	63	55	..	43.9
Hannibal	Maximum	64	73	67	85	81	68	54	44	41	60	49	45	68	75	80	80	70	61	60	66	71	74	79	80	70	71	81	76	87	90	..	69.0
	Minimum	33	48	41	47	55	53	37	37	32	31	30	37	40	49	56	58	51	42	37	39	46	46	48	49	55	56	55	48	61	61	..	45.9
Kansas City Airport	Maximum	71	81	76	88	73	66	50	47	45	60	52	60	70	74	79	79	75	66	64	64	72	77	81	79	74	78	74	82	82	78	..	70.6
	Minimum	39	51	42	61	64	50	40	40	38	34	33	39	49	55	60	61	56	54	47	46	46	44	58	59	55	59	56	49	68	60	..	50.4
Kirksville	Maximum	68	73	73	85	80	73	52	42	42	58	54	49	69	78	82	79	72	69	62	69	78	81	84	85	71	82	76	82	90	90	..	71.6
	Minimum	31	50	39	48	47	50	36	35	34	31	29	37	39	48	55	58	47	41	35	36	45	45	45	50	53	56	56	42	61	61	..	44.7
Lawson	Maximum	67	81	70	85	78	67	60	53	45	57	50	55	70	73	77	77	73	62	61	64	70	74	77	77	73	76	68	79	80	77	..	69.2
	Minimum	33	51	37	55	58	41	42	36	36	30	29	37	46	51	54	55	51	50	41	39	41	50	55	54	53	57	58	44	64	56	..	46.8
Louisiana §§	Maximum	64	76	68	81	81	70	46	43	41	59	50	46	65	76	81	83	72	63	63	66	70	73	72	79	67	78	82	78	85	90	..	68.9
	Minimum	30	36	45	43	52	52	46	39	39	34	33	33	39	45	49	56	55	44	39	36	33	36	37	45	47	54	55	49	49	61	..	43.7
Macon §§	Maximum	67	77	74	90	80	66	56	45	45	63	51	53	69	76	85	81	72	72	62	68	74	76	81	80	75	77	76	79	88	87	..	71.5
	Minimum	30	35	39	40	52	53	39	36	37	30	29	30	37	44	50	58	49	44	37	38	39	45	47	48	54	55	57	45	46	63	..	43.5
Maryville	Maximum	69	73	68	87	83	67	50	48	55	57	53	57	72	73	80	77	75	69	63	64	71	76	77	75	71	75	74	77	84	78	..	69.9
	Minimum	29	49	34	51	48	42	35	34	34	32	25	40	42	46	55	58	47	51	39	37	40	45	49	53	54	55	61	40	64	57	..	44.9
Mexico §§	Maximum	67	74	70	83	80	63	60	46	40	62	46	50	68	75	83	84	72	65	61	65	73	79	83	82	73	79	83	85	90	92	..	71.1
	Minimum	32	39	41	42	50	62	40	37	38	30	29	30	38	45	49	55	50	45	38	38	40	46	47	51	52	55	58	48	50	64	..	44.6
Moberly	Maximum	66	78	77	81	87	80	58	48	42	61	57	60	69	75	80	82	77	72	58	66	74	75	77	74	79	84	82	87	89	90	..	72.8
	Minimum	32	50	41	46	62	40	35	37	35	29	31	37	41	48	52	57	54	47	39	41	46	46	48	49	53	57	59	48	64	66	..	46.3
Oregon	Maximum	72	77	73	90	83	70	52	50	57	57	55	58	75	72	81	79	75	70	62	68	75	78	82	85	74	82	75	82	83	78	..	72.3
	Minimum	35	50	45	57	50	42	36	35	33	35	27	38	45	52	57	60	48	54	41	39	43	47	62	55	54	52	60	45	66	59	..	47.4
St. Charles §§	Maximum	67	79	74	86	84	67	49	42	42	63	50	50	66	79	82	87	78	65	62	68	72	77	80	80	66	75	83	84	88	91	..	71.2
	Minimum	37	37	48	48	48	64	49	39	38	35	33	37	41	46	49	49	58	45	42	36	41	41	50	52	59	58	56	58	60	65	..	47.3
St. Joseph	Maximum	73	80	73	93	73	64	52	48	55	58	51	56	72	73	79	80	74	61	64	65	73	77	79	75	73	80	74	81	82	74	..	70.4
	Minimum	35	50	40	60	54	46	39	38	37	32	30	38	48	54	58	61	53	50	43	42	46	46	55	59	55	59	53	44	68	59	..	48.4
Trenton	Maximum	69	73	72	85	75	69	51	50	45	59	58	54	71	75	80	78	73	69	63	67	77	77	79	78	73	79	74	79	82	83	..	70.6
	Minimum	30	52	38	49	51	47	38	37	36	31	27	39	42	49	52	57	49	50	38	40	40	42	47	55	54	56	58	42	64	62	..	45.7
Unionville §§	Maximum	66	71	70	82	69	55	50	46	43	58	52	50	68	74	78	76	74	62	63	69	77	75	80	80	73	75	72	77	83	85	..	68.4
	Minimum	26	29	38	39	43	44	34	33	33	29	25	26	35	40	47	54	44	40	33	35	36	42	45	48	52	53	55	40	41	60	..	40.0
Warrenton	Maximum	65	77	77	86	86	81	61	42	41	59	59	53	67	76	81	84	84	73	64	65	71	77	81	81	80	79	86	85	91	92	..	73.5
	Miuimum	34	50	45	49	58	60	41	37	38	33	31	35	41	49	54	60	59	46	38	36	43	44	47	52	54	55	58	52	59	64	..	47.4
Keokuk, Iowa	Maximum	63	70	67	84	78	70	46	44	41	58	48	47	61	75	79	77	68	57	59	68	70	72	78	79	70	70	79	76	86	89	..	67.6
	Minimum	36	52	43	49	52	46	38	36	34	33	31	38	41	53	60	55	51	40	37	42	48	49	52	55	59	57	56	50	61	66	..	47.3
Southwestern Division																																	
Clinton	Maximum	69	77	75	85	75	68	54	42	41	65	55	65	67	77	80	81	77	76	66	61	74	78	79	79	73	83	77	84	83	82	..	71.6
	Minimum	34	51	41	54	56	54	41	39	35	31	36	40	52	51	56	57	59	57	48	43	49	47	50	56	56	56	59	48	66	62	..	49.5
Eldon §§	Maximum	66	77	74	87	81	65	51	41	42	62	51	55	69	76	79	83	76	66	64	72	72	76	80	80	71	83	80	84	86	88	..	71.2
	Minimum	29	31	45	44	52	55	50	39	37	33	32	32	37	48	51	53	55	56	45	40	40	43	44	45	55	56	60	50	49	62	..	45.6
Harrisonville §§	Maximum	70	79	75	84	70	67	44	43	40	62	42	63	70	73	78	79	74	71	60	62	70	76	78	78	73	77	70	81	87	77	..	69.1
	Minimum	30	33	40	41	45	56	40	38	36	30	34	36	38	48	52	54	50	55	45	42	44	50	51	54	54	54	57	48	53	55	..	45.4
Jefferson City §§	Maximum	66	78	72	79	81	66	48	40	40	62	52	54	68	76	81	84	77	63	58	66	73	75	79	77	69	81	79	84	86	88	..	70.1
	Minimum	29	30	43	42	51	59	46	37	36	31	31	31	44	50	53	56	52	41	39	39	42	43	46	53	55	57	50	52	62	62	..	44.5
Joplin	Maximum	69	76	78	85	74	66	57	44	42	63	57	70	70	76	78	82	79	78	67	62	68	75	80	76	74	81	71	81	82	78	..	71.3
	Minimum	39	58	50	65	65	57	44	41	38	35	44	49	54	56	59	61	62	62	54	50	50	51	55	59	58	59	65	61	69	64	..	54.5
Lamar §§	Maximum	70	78	78	87	75	64	53	44	42	65	55	70	71	76	80	83	81	81	62	62	71	76	80	78	74	82	71	83	81	80	..	71.8
	Minimum	21	29	38	36	55	58	48	35	35	29	29	36	41	49	49	49	52	53	51	45	44	40	40	47	51	51	51	51	51	61	..	44.2
Lebanon §§	Maximum	67	75	74	87	78	66	54	40	42	60	54	61	68	73	77	82	77	77	67	65	72	78	78	78	78	65	82	75	80	83	..	70.6
	Minimum	23	31	41	40	50	58	52	35	35	31	31	36	36	46	47	51	54	55	47	40	39	42	42	45	53	54	56	53	53	63	..	44.6
Lexington §§	Maximum	69	81	72	85	70	61	47	45	39	63	54	58	70	74	80	78	76	63	66	67	74	78	81	81	74	80	70	83	83	83	..	70.2
	Minimum	29	38	41	42	58	60	42	39	38	33	31	32	39	48	52	56	53	53	44	42	42	47	51	52	55	57	59	47	49	66	..	46.5
Marshall	Maximum	66	78	78	85	85	78	62	46	43	60	60	49	68	76	84	84	75	72	58	63	70	75	76	79	78	78	78	81	84	84	..	71.8
	Minimum	33	54	46	53	58	56	39	39	34	32	31	37	37	50	56	60	53	50	42	40	45	48	50	55	55	56	59	46	65	64	..	48.1
Mountain Grove	Maximum	65	74	75	84	80	71	60	48	44	59	60	58	62	72	75	81	79	76	71	65	72	74	75	75	73	77	75	77	80	81	..	70.6
	Minimum	31	46	44	51	54	56	45	35	37	34	38	35	42	48	50	54	55	54	48	38	49	46	49	56	52	52	57	54	60	61	..	47.7
Neosho	Maximum	70	75	79	76	78	72	69	47	44	63	63	72	72	75	78	82	82	81	78	65	70	76	80	80	73	83	81	83	83	82	..	73.7
	Minimum	28	54	37	56	45	59	47	40	39	32	40	42	51	52	52	53	58	55	56	50	48	39	48	55	55	54	57	55	62	65	..	49.5
Nevada	Maximum	70	77	76	84	84	71	65	44	41	65	64	70	71	76	80	81	79	80	67	63	71	77	81	78	76	81	77	82	82	81	..	73.1
	Minimum	33	53	40	57	61	59	41	39	37	33	40	42	52	51	53	54	59	59	52	48	48	45	51	57	55	55	62	50	64	61	..	50.4
Sedalia	Maximum	66	76	76	87	86	78	63	45	40	62	60	56	69	75	80	81	78	75	64	64	73	78	82	82	78	82	81	84	85	83	..	73.0
	Minimum	32	52	40	53	56	59	39	39	34	30	31	36	36	51	60	59	55	58	41	42	42	48	52	57	55	58	59	48	65	71	..	48.7
Springfield	Maximum	66	74	74	85	77	64	57	43	43	59	54	61	65	73	76	79	79	77	66	65	68	73	76	75	67	81	76	78	82	80	..	69.8
	Minimum	29	49	44	56	56	57	42	38	36	33	40	41	48	52	53	56	56	58	50	45	48	47	48	59	56	56	59	57	63	62	..	49.8
Warrensburg	Maximum	69	78	74	85	79	72	60	46	42	64	58	59	65	71	80	79	79	67	67	64	75	79	82	82	71	82	79	82	85	82	..	71.9
	Minimum	33	54	39	56	56	58	40	39	33	31	32	37	41	49	51	57	55	55	44	39	44	49	52	48	55	55	55	46	65	63	..	47.7
Southeastern Division																																	
Arcadia §§	Maximum	65	77	77	84	80	71	63	44	45	63	57	55	63	76	79	84	82	74	65	70	76	79	79	79	64	75	80	83	85	88	..	72.1
	Minimum	25	26	44	39	51	54	57	37	36	35	36	31	35	43	45	45	53	52	43	38	38	34	35	38	53	54	56	55	58	63	..	43.6
Birch Tree(near)	Maximum	63	74	79	82	78	71	64	51	45	61	56	55	60	73	76	81	81	78	73	69	73	76	79	75	73	76	77	78	82	84	..	71.4
	Minimum	23	39	46	49	52	59	48	36	38	35	38	38	46	48	49	56	51	54	43	39	46	38	45	55	43	43	56	52	60	62	..	46.2
Carruthersville §§	Maximum	61	72	77	79	78	73	69	52	55	62	56	56	60	76	79	82	82	78	55	66	72	75	81	81	70	73	84	78	85	84	..	71.7
	Minimum	28	30	47	49	55	58	55	44	44	42	39	38	39	46	52	55	55	56	49	45	46	43	47	50	53	55	55	57	60	64	..	48.5
Crystal City	Maximum	66	72	75	85	83	72	63	44	45	62	54	53	63	77	81	85	78	67	62	65	71	75	80	81	67	76	82	82	86	90	..	71.4
	Miniuum	25	37	45	37	51	60	43	37	41	38	35	32	43	47	45	50	58	47	42	35	37	33	39	46	50	44	54	58	55	57	..	44.0
Doniphan	Maximum	66	76	81	84	80	72	74	53	50	66	65	57	61	78	80	84	87	77	68	70	74	78	82	82	75	73	80	81	83	85	..	74.1
	Minimum	22	40	43	47	57	61	53	39	42	40	39	36	45	40	43	49	50	58	49	39	49	34	36	52	53	56	59	56	56	55	..	46.6
Farmington	Maximum	64	76	74	83	80	72	69	50	45	60	60	57	63	77	79	82	78	70	63	64	71	75	80	79	72	73	80	83	86	88	..	71.8
	Minimum	28	49	52	58	61	60	45	36	40	37	37	33	44	48	47	61	61	50	42	37	49	39	56	56	63	60	60	59	66	68	..	50.1
Jackson	Maximum	62	73	77	80	79	78	69	49	48	61	61	54	57	76	79	83	82	80	71	70	72	78	81	82	80	69	82	81	86	86	..	72.9
	Minimum	27	41	51	44	49	60	46	38	42	39	38	34	45	44	51	53	50	52	37	40	45	39	40	42	44	57	52	60	61	63	..	46.1
Poplar Bluff	Maximum	64	74	81	84	82	72	68	48	51	66	64	57	60	79	81	84	86	72	75	68	75	78	83	82	72	70	80	83	84	85	..	73.6
	Minimum	29	42	50	53	61	63	40	40	42	40	45	38	43	42	49	49	59	51	48	47	44	41	44	51	56	56	57	58	61	59	..	48.6
Rolla	Maximum	64	76	72	85	80	70	61	39	41	60	51	52	65	75	78	82	76	68	61	63	70	76	81	79	67	78	80	82	86	88	..	70.2
	Minimum	31	51	45	48	57	57	38	36	35	32	33	34	43	45	52	56	58	52	43	37	47	44	48	57	55	55	59	56	60	65	..	47.6
St. Louis	Maximum	63	78	71	84	81	71	63	42	45	59	49	48	61	77	81	84	76	66	61	67	70	74	78	79	66	70	82	79	83	88	..	69.8
	Minimum	36	51	50	51	65	61	42	39	38	37	34	39	42	46	57	61	59	46	42	39	51	52	55	58	57	58	58	63	63	67	..	50.4
Salem	Maximum	61	76	75	84	79	72	61	45	44	61	58	53	65	76	79	84	79	75	64	68	73	78	79	79	75	78	80	82	87	87	..	72.0
	Minimum	27	45	46	45	53	60	44	35	38	35	36	36	43	47	47	54	56	55	44	38	45	36	41	55	53	56	60	54	60	63	..	46.9
Sikeston §§	Maximum	63	73	79	83	80	72	70	48	53	65	54	57	56	77	80	85	83	73	64	69	73	78	82	83	72	72	84	82	87	86	..	72.8
	Minimum	31	32	43	50	52	56	59	41	40	39	40	33	44	46	48	55	56	55	46	41	42	45	46	51	53	57	52	54	59	63	..	47.6
Union	Maximum	67	78	76	88	85	77	63	44	43	63	58	58	69	79	82	86	79	72	62	67	74	79	83	82	74	81	85	87	90	92	..	74.1
	Minimum	24	41	47	37	51	60	41	36	38	33	32	33	45	44	45	49	55	48	40	31	37	33	36	43	50	55	50	55	54	56	..	43.3
West Plains	Maximum	65	75	78	83	78	66	66	44	48	61	58	60	59	75	76	80	82	77	68	69	72	75	78	78	61	80	75	79	82	82	..	71.0
	Minimum	24	47	51	46	56	60	44	39	40	37	43	40	45	46	44	49	51	56	50	44	48	38	38	58	54	56	56	55	61	62	..	47.9
Cairo, Ill.	Maximum	58	71	75	79	77	72	66	48	56	60	53	56	54	75	77	80	78	70	61	65	70	73	79	79	72	69	81	77	84	83	..	69.9
	Minimum	35	48	55	57	61	64	46	41	44	40	41	40	48	50	59	62	59	55	46	45	51	49	57	60	60	58	58	60	63	69	..	52.7

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 4-22-42—1100.

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UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI MAY 1942 No. 5

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GENERAL SUMMARY

The weather for May was cooler and wetter than normal, but was generally favorable for crop growth. There were several hail and wind storms, which caused slight damage.

Temperatures were well above normal on the first two and last four days of the month, while the remainder was cool and damp. Frost and near freezing temperatures on the 4th caused some damage to crops over widely scattered areas.

Rainfall was frequent and moderately heavy and rather evenly distributed over the State. There was considerable damage due to washing and flooding in some localities during the middle and latter part of the month.

Corn planting made rapid progress, although some lowlands remained too wet for planting. About half the intended acreage had been planted by the middle of the month, and about ninety per cent by the end, which was somewhat more than usual for so early in the season. Much of the earliest planted was up to good stand and doing well. Cultivation was under way generally by the middle of the month, and some fields had been cultivated twice by the beginning of June.

Wheat was jointing and some was in boot at the first of May. It made rapid growth, and by the middle of the month was heading generally. Some binders were operating in the extreme southern portion of the State at the end of the month.

Cotton in southeastern counties was practically all planted by the first of the month, and chopping was proceeding rapidly by the middle.

Pastures were in excellent condition. Alfalfa and clovers made rank growth, and a very heavy yield was obtained in the first cutting, which was generally completed by the end of the month.

Truck crops and vegetables made fair to good progress.—R. P. T.

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 63.8°, or 0.7° cooler than normal. The highest monthly mean was 69.2° at Campbell, and the lowest monthly mean was 60.0° at Unionville. The highest recorded was 97° at Sikeston on the 28th, and the lowest was 29° at Albany on the 4th.

PRECIPITATION

The average for the State, 155 stations reporting, was 5.31 inches, or 0.62 inch more than normal. The greatest local monthly amount was 11.36 inches at Boonville, and the least local monthly amount was 1.25 inches at Caruthersville. The greatest amount in any twenty-four hours was 4.85 inches at Boonville on the 26th. The average number of days with 0.01 inch or more was 10.

MISCELLANEOUS PHENOMENA

Floods.—In Grand River at Chillicothe 6th and 12-13th; at Brunswick 8th and 12-29th. In Missouri River at Waverly 14-18th and 21st-29th; at Boonville 27th; at Hermann 16th, 18-20th, and 27-29th; at St. Charles 14th-23d and 28-30th. In Bourbeuse River at Union 29th. In Meramec at Meramec Park (Sullivan) 27th; at Pacific 28-29th and 31st.

Fogs.—Dense, 2d, 4th, 14th, 16th, 19th, 20th, 21st, 22d, 27th, 28th.

Frosts.—Light, 4th, 7th, 8th, 9th, 16th, 21st, 22d, 23d, 24th, 25th; heavy, locally on 4th; killing, locally on 4th.

(Continued on page 27)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.95*	30.28*	19	29.51*	13	7.7	21	nw.	13	86*	59*	61*	63*
Kan. C. Airport	29.92	30.30	20	29.41	13	11.5	32	sw.	1	79	56	58	59
St. Joseph	29.92*	30.29*	20	29.36*	13	9.0	27	nw.	6	91*	65*	70*	58
St. Louis	29.97*	30.27*	19	29.59*	13	12.8	43	sw.	2	76	53	58	70
Springfield	29.96	30.24	20	29.57	2	11.5	34	sw.	1	87	61	65	61
Cairo, Ill.	29.99§	30.24	5	29.70	13	8.3	25	ne.	19	80	58	..	66
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	62.1	93	30	4.98	6.23	4.73	3.98	....	5	..	..	..
1889	63.5	100	28	6.06	7.41	6.91	3.87	....	5	..	..	..
1890	62.8	97	26	3.65	2.91	4.62	3.43	....	6	..	..	..
1891	61.5	97	27	4.11	4.84	3.87	3.62	0	8	..	..	..
1892	60.7	91	28	9.04	8.72	10.11	8.28	0	17	5	9	17
1893	61.8	94	30	6.14	5.74	6.11	6.56	0	10	11	11	9
1894	63.7	96	29	4.31	2.60	5.18	5.14	0	8	13	11	7
1895	64.6	103	28	3.95	4.01	5.45	2.40	0	9	13	12	6
1896	70.1	96	37	9.17	9.00	10.29	8.22	0	12	12	12	7
1897	62.4	93	28	2.60	2.64	2.68	2.47	0	7	16	11	4
1898	65.2	97	31	7.68	8.36	7.81	6.88	0	14	12	10	9
1899	66.9	96	34	6.07	7.01	5.89	5.31	0	2	10	13	8
1900	66.3	97	29	3.63	3.80	3.00	4.09	0	10	14	11	6
1901	63.8	98	30	1.47	1.55	1.43	1.42	0	6	15	10	6
1902	69.4	98	39	4.82	5.31	5.65	3.51	0	11	13	11	7
1903	65.1	92	23	7.05	7.01	8.21	5.93	0	15	9	10	12
1904	63.1	95	32	4.74	5.46	5.40	3.35	0	12	13	10	8
1905	64.9	94	34	5.33	4.20	6.62	5.17	0	10	12	11	8
1906	66.3	98	27	2.45	2.08	3.02	2.25	0	7	15	10	6
1907	59.5	91	17	5.61	3.64	5.92	7.27	0.8	10	14	6	11
1908	66.1	96	24	6.91	8.16	6.77	5.79	0	12	12	10	9
1909	63.3	96	25	5.55	5.19	6.22	5.25	T.	9	15	9	7
1910	60.1	94	32	6.38	7.46	7.42	4.25	0	13	11	8	12
1911	68.8	101	27	1.46	2.45	1.10	0.84	0	5	19	7	5
1912	67.6	97	30	3.80	3.90	3.45	4.05	0	7	18	8	5
1913	65.8	101	33	2.79	3.82	3.16	1.40	0	8	16	7	8
1914	66.6	98	31	1.49	0.97	2.31	1.20	0	5	17	9	5
1915	63.7	97	30	7.72	8.34	8.11	6.70	0	12	12	7	12
1916	65.6	96	33	5.47	7.30	5.46	3.64	0	11	15	8	8
1917	58.7	91	30	4.28	4.14	5.38	3.32	0	10	15	7	9
1918	68.3	100	28	5.50	5.71	4.23	6.57	0	10	16	8	7
1919	62.0	93	35	5.74	5.65	5.96	5.61	0	13	10	10	11
1920	63.8	97	32	5.01	3.77	5.10	6.15	0	12	9	9	13
1921	66.4	102	28	3.68	3.80	3.68	3.55	0	7	17	8	6
1922	67.2	97	38	3.07	3.53	3.59	2.09	0	10	14	10	7
1923	62.7	97	25	4.68	2.45	4.40	7.18	T.	12	11	10	10
1924	58.6	96	31	4.71	3.18	5.13	5.83	0	10	13	8	10
1925	61.2	98	24	2.10	2.32	2.39	1.60	0	7	14	9	8
1926	67.0	100	29	2.78	2.42	3.34	2.58	0	7	16	9	6
1927	64.6	94	34	6.95	4.55	6.77	9.54	0	12	11	10	10
1928	65.8	95	29	2.87	2.05	3.16	3.41	0	8	16	9	6
1929	61.7	95	28	7.76	5.30	9.66	8.31	0.3	13	9	10	12
1930	64.7	95	33	3.33	3.22	3.78	2.98	0	9	16	8	7
1931	61.0	96	29	4.50	4.84	4 64	4.03	0	10	15	6	10
1932	66.1	98	31	1.80	2.44	2.03	0.93	0	6	18	9	4
1933	65.9	96	35	7.75	6.44	8.07	8.74	0	13	11	9	11
1934	69.0	110	31	1.93	1.82	2.42	1.56	0	5	21	7	3
1935	60.3	92	32	8.46	9.73	7.99	7.66	0	17	6	8	17
1936	68.8	95	32	2.52	3.07	2.95	1.54	0	7	17	10	4
1937	66.2	98	34	3.86	3.97	4.36	3.25	0	9	13	11	7
1938	65.0	94	32	6.13	5.32	7.75	5.31	0	13	9	12	10
1939	67.4	102	31	4.17	2.94	5.98	3.60	0	9	15	9	7
1940	62 7	95	30	2.44	2.44	2.40	2.48	0	8	16	9	6
1941	68.9	97	35	2.29	2.71	1.95	2.21	0	8	16	11	4
1942	63.8	97	29	5.31	5.09	5.37	5.47	0	10	11	11	9
.....	....	..	..	....	....	....	. ..	....	..	..	..	..
Period	64.5	110	17	4.69	4.60	5.08	4.40	T.	9	14	9	8

Natural History Library

Climatological Data for May 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	61.3	.....	89	28†	29	4	13	3.88	+1.20	1.34	2–3	0	14	11	12	8	s.	Curtis E. Grace
Bethany	Harrison	916	47	61.3	− 1.2	88	29	32	4	49	3.86	−0.31	1.20	2–3	0	12	12	9	10	se.	A. S. Cumming
Brookfield	Linn	767	1	63.6	.....	91	29	33	4	1	6.22	.....	1.27	2–3	0	14	13	15	3	se.	E. W. Patrick
Brunswick	Chariton	652	61	62.7	− 1.5	91	29†	37	4†	63	4.87	+0.26	1.27	26	0	9	16	3	12	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	63.4	.....	90	30	36	16	12	3.15	−2.17	0.90	12	0	11	10	9	12	nw.	Lockmaster
Chillicothe	Livingston	779	33	62.2	− 0.7	89	29†	33	4	36	5.35	+1.26	1.66	26	0	9	18	4	9	nw.	Wm. J. Olcnhouse
Clifton Hill	Randolph	731	43	63.0	− 0.6	90	30	34	4	33	7.02	+2.62	1.27	26	0	13	13	10	8	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	64.0	− 1.0	91	30	38	4	52	4.84	+0.38	1.04	14-15	0	15	5	20	6	s.	U. S. Weather Bureau
Conception	Nodaway	980	53	61.8	− 0.3	88	28†	32	4	58	4.50	+0.44	1.53	5	0	11	5	21	5	s.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	64.6	− 0.1	96	30	35	16	11	4.18	+0.86	1.17	2–3	0	10	9	17	5	sw.	Ray E. Mills
Fayette	Howard	760	62	62.4	− 1.4	89	28†	33	4	59	7.68	+3.36	2.51	26	0	13	13	4	14	s.	Irvin E. Schnell
Fulton	Callaway	818	54	....	.....	..	..	..	..	50	....	.....	....	.....	..	..	..	..	..	.....	.....
Grant City	Worth	1,134	38	61.0	− 1.0	89	28†	30	4	50	2.55	−1.68	1.22	2	0	10	9	10	12	sw.	Howard Rybolt
Hannibal	Marion	759	50	62.4	− 1.2	90	29†	39	4	58	6.38	+2.03	1.20	31	0	12	4	10	17	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	64.2	− 0.6	91	28	36	4	53	3.68	−0.97	1.09	2	0	12	9	10	12	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	63.4	.....	90	28	33	4	4	4.13	.....	1.34	2–3	0	12	12	6	13	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	61.2	− 1.4	88	29†	32	4	54	5.89	+1.24	1.41	6	0	10	13	11	7	se.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	63.2	+ 0.9	92	28†	36	4	60	4.64	−0.69	1.27	2–3	0	13	10	17	4	sw.	Howard Coons
Lawson	Ray	1,070	4	62.0	.....	91	28	32	4	4	3.50	.....	0.90	11	0	12	14	10	7	s.	Frank G. Gstrein
Louisiana	Pike	469	48	61.8	− 1.9	90	28†	36	16	61	6.26	+1.56	1.60	15†	0	9	13	16	2	s.	Stark Bro's Nurseries
Macon	Macon	875	43	62.2	− 1.3	90	28†	35	4	49	4.82	+0.23	1.05	3	0	14	10	8	13	se.	John W. Atwell
Maryville	Nodaway	1,169	52	60.6	− 0.7	88	29	31	4	48	4.59	−0.06	1.59	5	0	11	10	8	13	se.	R. B. Montgomery
Memphis	Scotland	787	3	60.7	.....	90	29†	37	17	12	3.40	−0.61	1 01	3	0	10	7	11	13	se.	John W. Alexander
Mexico	Audrain	800	53	62.9	− 1.1	94	28†	36	4	64	7.10	+2.50	1.25	14	0	12	15	4	12	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	....	.....	....	.....	..	..	..	..	..	.....	Beverly Coomes
Oregon	Holt	1,048	86	63.0	− 0.2	90	28	34	4	86	4.29	−0.24	1.63	2–3	0	9	13	11	7	sc.	Miss Mina Wright
St. Charles	St. Charles	520	54	64.6	+ 1.5	94	28	42	16	64	5.40	+1.12	1.48	31–1	0	10	20	10	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	62.5	− 1.7	90	28	33	4	70	7.00	+2.30	1.89	21–22	0	10	9	10	12	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	4	63.8	.....	89	28†	41	16	4	6.07	.....	1.18	15–16	0	11	13	14	4	se.	Lockmaster
Shelbina	Shelby	779	1	62.8	.....	90	28†	33	4	49	4.77	+0.45	1.02	5–6	0	11	11	13	7	nw.	Guyman Hatcher
Steffenville	Lewis	650	44	62.4	− 1.4	89	28	38	4	49	5.67	+1.10	0.95	5–6†	0	13	12	13	6	s.	Samuel D. Gross
Tarkio	Atchison	916	39	60.6	− 2.0	91	29	32	4	48	7.65	+3.11	3.57	5	0	7	9	11	11	se.	Albert Volker
Trenton	Grundy	822	46	63.0	− 0.5	90	29	32	4	47	5.01	+0.31	1.06	2–3	0	14	10	15	6	s.	W. H. Estes
Unionville	Putnam	1,062	49	60.0	− 2.1	90	29†	32	4	49	2.75	−2.50	0.76	12	0	10	10	13	8	sw.	C. D. Wilson
Warrenton	Warren	816	60	64.2	− 0.7	92	28†	39	4	52	5 23	+0.83	1.00	3	0	10	5	14	12	sw.	Prof. A. W. Ebeling
Keokuk, Iowa	Lee, Ia.	574	70	62.8	− 1.0	89	28†	41	7†	70	3.49	−0.44	0.89	25–26	0	12	6	12	13	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	62.5	**− 0.9**	96	30	29	4	..	5.09	**+0.49**	3.57	5	0	11	11	11	9	s.	
Southwestern Division																					
Anderson (near)†††	McDonald	1,000	38	64.2	− 1.5	89	29†	34	4	43	2.24	−3.51	0.83	15	0	4	17	6	8	se.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	63.8	− 1.2	91	28†	33	4	50	5.27	+0.47	1.21	17–18	0	12	15	3	13	ne.	Rolla Brown
Bolivar	Polk	1,071	39	64.2	− 0.6	89	28†	36	4	47	4.23	−1.12	0.88	3	0	12	14	9	8	sw.	Southwest Baptist College
Boonville	Cooper	650	4	62.2	.....	89	29	37	4	65	11.36	+6.75	4.85	26	0	11	14	8	9	se.	Boonville Water Dept.
Carthage	Jasper	962	8	64.5	.....	90	28	35	4	18	4.25	.....	1.10	3	0	9	16	5	10	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	64.2	− 1.3	92	28	35	4	55	5.12	+0.29	1.37	9–10	0	12	11	15	5	s.	U. S. Weather Bureau
Eldon	Miller	934	47	61.9	− 2.3	89	28†	34	4†	43	7.61	+3.31	2.99	26–27	0	11	17	8	6	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	63.4	.....	92	28	34	4	1	9.60	.....	1.50	10	0	14	11	13	7	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	62.2	− 1.6	89	29†	34	7	67	5.36	+0.93	1.73	3	0	10	7	0	24	s.	John H. Patterson
Jefferson City	Cole	557	52	61.8	− 2.9	90	28†	33	4	60	8.71	+4.30	3.63	26	0	12	12	11	8	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	66.2	− 0.1	89	28	40	4	37	4.40	−0.96	1.40	2	0	6	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	64.0	− 2.1	92	31	58	4	11	7.76	+3.49	1.90	10	0	12	6	14	11	s.	W. S. Frame
Lamar	Barton	980	54	61.2	− 4.4	92	28	32	4†	61	2.77	−2.49	1.02	6	0	6	17	6	8	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	61.3	− 3.6	89	28	32	4†	55	5.70	+0.49	1.33	3	0	12	11	10	10	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	63.1	− 1.3	92	28	36	4	58	3.81	−1.15	1.02	3	0	11	13	9	9	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	65.5	+ 1.1	93	28	36	4	46	3.56	−1.76	0.90	14–15	0	10	14	13	4	sw.	Hubert A. Nieman
Marshall	Saline	779	55	63.1	− 1.1	90	28†	36	4	52	9.84	+5.23	4.09	26	0	10	16	9	6	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	62.8	− 1.0	86	29†	35	4	45	6.85	+2.39	2.73	30-31	0	15	5	23	3	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	63.9	− 1.9	96	31	32	4	42	2.78	−2.73	0.70	11–12	0	7	9	12	10	s.	G. H. Boswell
Neosho	Newton	1,011	55	64.9	− 1.1	89	28†	34	4	59	2.11	−3.45	0.60	15†	0	11	14	10	7	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	65.4	+ 0.9	93	28	34	4	50	2.91	−2.02	0.69	14–15	0	10	13	8	10	sw.	Henry Kraft
Ozark Beach	Taney	700	2	64.6	.....	92	30	39	4	17	4.72	−0.50	1.62	12	0	9	17	5	9	se.	V. Smith
Sedalia	Pettis	910	29	64.4	− 0.9	91	28†	33	4	31	6.09	+1.55	1.05	3	0	12	15	5	11	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	63.6[g]	− 0.9	85	28†	36	4	39	3.35	−2.09	0.85	18	0	7	12[g]	8[g]	4[g]	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	61.7	− 2.0	88	30	32	4	36	5.87	+1.04	2.95	13	0	10	12	9	10	n.	A. L. Hailey
Springfield	Greene	1,301	54	62.4	− 2.1	88	31	33	4	54	2.72	−2.47	0.96	14–15	0	10	8	12	11	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	63.7	.....	92	30	33	4	1	6.20	.....	2.00	2–3	0	13	8	21	2	s.	H. F. Nelson
Warrensburg	Johnson	878	55	64.2	− 0.8	92	28	35	4	62	3.69	−1.03	0.97	3	0	9	11	10	10	se.	E. A. Markey
Warsaw	Benton	687	41	64.4	− 1.1	94	31	32	4	47	6.00	+1.00	1.48	6	0	12	6	17	8	s.	Everett Martin
Wasola	Ozark	1,294	1	64.2	.....	89	30	36	4	2	3.59	.....	0.96	1	0	10	18	11	2	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	63.6	**− 1.4**	94	31	32	4†	..	5.37	**+0.29**	4 85	26	0	10	12	10	9	s.	
Southeastern Division																					
Advance	Stoddard	354	5	65.3	.....	93	29	38	16	5	3.43	.....	0 97	26	0	10	8	13	10	s.	U. S. Weather Bureau
Arcadia	Iron	926	61	63 0	− 1.1	92	28	36	8†	64	5.57	+1.33	2.16	26–27	0	13	9	15	7	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	63.1	− 1.9	88	28	33	4†	48	7.52	+3.17	3.43	30–31	0	11	14	13	4	.....	V. H. Kirkendall
Bragg City	Pemiscot	261	0	68.4	.....	93	28†	41	16	11	2.69	−0.39	0.95	21	0	5	16	12	3	s.	Paul B. Hutchens
Campbell	Dunklin	311	16	69.2	+ 1.9	96	28	44	8	16	2.29	−2.72	0.60	20	0	6	11	18	2	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	67.6	− 2.2	92	23†	43	8	50	1.25	−3.19	0.62	20–21	0	7	19	0	12	s.	Victor T. Malloure
Crystal City	Jefferson	420	8	63.6	.....	91	28†	37	16	8	5.50	.....	1.47	3	0	10	11	9	11	s.	Frank Magre
Doniphan	Ripley	314	38	66.2	− 0.3	94	28	36	8	38	5.21	+0.85	1.52	26	0	11	21	4	6	s.	Boyce Lackey
Farmington	St. Francois	896	31	65.7	+ 2.0	92	28	40	8	45	5.04	−0.03	1.37	15	0	12	8	10	13	s.	F. M. Karsch
Goodland	Iron	1,000	49	62.7	− 1.3	89	28	33	8	49	6.54	+2.03	1.65	26	0	13	11	10	10	s.	F. M. Adams
Greenville	Wayne	381	33	65.7	− 0.2	92	28†	36	8	35	6.56	+2.38	2.03	19–20	0	9	10	8	13	ne.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	67.2	+ 1.6	92	28†	39	16	52	5.07	+0.80	1.02	26	0	9	10	7	14	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	65.0	− 1.1	90	28†	40	8	28	5.29	+0.94	1.31	6	0	10	4	15	12	se.	U. S. Army Engineers
Koshkonong	Oregon	958	41	65.3	− 1.3	90	28	40	4	42	9.47	+4.92	4.59	30–31	0	12	7	10	14	se.	R. M. Hitt

Continued on next page

Climatological Data for May 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	61.3	.....	92	28†	32	4	5	6.70	.....	1.53	10	0	10	17	10	4	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	64.4	− 1.2	92	31	34	16	49	5.87	+1.38	1.78	6	0	9	14	10	7	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	67.4	− 0.1	92	29†	41	7†	38	3.82	−0.70	1.25	4	0	5	15	12	4	e.	B. R. Wheetley
Rolla	Phelps	1,202	42	62.6	− 1.9	88	28†	36	4	58	8.79	+4.04	2.63	26	0	16	4	17	10	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	65.6	− 1.4	92	30	45	4	105	4.99	+0.65	1.16	5-6	0	12	9	13	9	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	61.6	.....	92	28	40	16	11	3.97	.....	1.04	2-3	0	14	5	15	11	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	65.4	− 0.3	91	30	41	16	30	5.00	+0.81	1.16	2-3	0	12	11	11	9	se.	St. Louis University
Salem	Dent	1,173	38	63.8	− 0.7	90	30	35	4	41	7.09	+2.58	1.08	26	0	11	13	12	6	s.	E. E. Martin
Sikeston	Scott	318	35	67.8	− 0.7	97	28	41	8	45	3.26	−0.98	1.13	20	0	8	12	15	4	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	4	63.6	.....	93	28	36	8	25	10.54	+6.00	3.12	31	0	13	9	7	15	s.	Robert Mueller
Wappapello Dam	Butler	475	3	66.9	.....	91	30	43	16	3	3.68	.....	1.32	4	0	9	14	13	4	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	64.2	.....	90	28†	42	4	2	3.96	.....	0.95	27	0	9	14	3	14	s.	John A. Kettinger
West Plains	Howell	1,005	5	63.6	.....	89	27†	36	4	5	7.52	.....	3.34	30-31	0	12	6	12	13	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	63.2	.....	89	28†	33	4	35	5.72	+1.12	2.62	30-31	0	12	9	15	7	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	315	70	67.4	− 1.0	92	28	47	5	71	3.21	−0.50	1.57	3	0	7	6	9	16	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	65.3	− 0.6	97	28	32	4	..	5.47	+1.07	4.59	30-31	0	10	11	11	9	s.	
State means	**and extremes**	.....	..	63.8	−0.7	97	28	29	4	..	5.31	+0.62	4.85	26	0	10	11	11	9	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Deau.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 25)

Hail.—Light, 2d at Clifton Hill, Fayette, Macon, Mexico, Oregon, St. Charles, Altona, Boonville, Pleasant Hill, Sweet Springs, Sturgeon; 3d at St. Louis; 5th at St. Joseph, Bethany, Brookfield, Conception, Hannibal, Maryville, Marble Hill; 9th at Brookfield, Conception, Kidder, Boonville; 10th in southeast part of Kansas City; 11th at Unionville; 13th at Columbia, Springfield, St. Louis, Eldon; 14th at Mexico; 17th at Kansas City Airport, Amity, Brunswick, Perry, Rolla, Bolivar, Fort Leonard Wood, Jefferson City, Lockwood; 22d at Neosho; 31st at Sweet Springs. Moderate, 3d at Sedalia; 5th at Albany; 9th at Amity, King City, Linneus; 13th at Columbia. Heavy, 2d near Columbia; 9th near Amity and two miles east of Linneus; 17th at St. Joseph.

Halos.—Solar, 2d, 10th, 11th, 18th, 19th, 25th, 27th, 31st; lunar, 1st, 26th, 27th, 28th.

Thunderstorms.—Local, 1st, 3d, 6th, 12th, 14th, 15th, 16th, 18th, 19th, 22d, 25th, 30th; more or less general, 2d, 5th, 9th, 10th, 11th, 13th, 17th, 26th, 31st.

Tornado.—13th (See special tornado notes.)

Windstorms.—1st, 2d, 12th, 31st (See special windstorm notes).

HAILSTORMS

A hail storm, heavy in spots, occurred on the afternoon of the 2d in eastern Boone County, near Columbia, causing damage to crops estimated at $1,000 and property losses at $5,000. The path was one-half to two miles wide and about five miles long. The storm came from the southwest and moved toward the northeast. Stones ranged in size from small up to as large as golf balls. (Report by O. I. C. W. B. O., Columbia, Mo.).

Light to moderate hail fell over most of Columbia on the 13th, between 1:48 and 1:53 p. m., and caused some damage to a greenhouse on the western edge of the city, windows, old cars, and a few roofs. Stones were from one-half to one and one-fourth inches with a few very large chunks of ice. A few fruit trees were stripped and property damage was estimated at $500. (Report by O. I. C., W. B. O., Columbia, Mo.).

A hailstorm occurred at St. Joseph on the 17th at 6:30 p. m., C. S. T., with a path one mile wide and three miles long, resulting in damage to greenhouse glass of about $1,000. The storm moved from west to east and was confined chiefly to inside the city limits, particularly the northern half of the city. Relatively small stones covered the ground to a depth of about one inch at the City Weather Bureau Office. The greatest hail depth was about five city blocks northwest of the City Office. (Report by O. I. C., W. B. O., St. Joseph, Mo.).

TORNADO

A small tornado demolished two filling stations, one farm homestead, and several outbuildings, northeast of Columbia about 3:07 p. m. on May 13th. The funnel-shaped cloud was distinctly seen by numerous observers. The track of the storm, generally, was west-southwest to east-northeast, but the cloud raised and lowered in the two miles or so that it traveled. Property damage was estimated at about $5,000. (Excerpts from report by O. I. C., W. B. O., Columbia, Mo.).

WINDSTORMS

On the 1st a windstorm damaged trees, demolished a number of outbuildings, broke windows, and several persons were slightly injured by flying limbs from trees at Rocheport, Boone County. Amount of damage not estimated.

Several windstorms occurred on the 2d which resulted in heavy damages. At Oregon, trees were blown down. At Sturgeon and vicinity, in Boone County, trees were blown down, telephone lines, barns, dwellings and outbuildings damaged, and one person slightly injured. Amount of damage unknown. Near Fayette a woman was killed by falling bricks when the wind damaged her farm home. Press reports reported this storm as a tornado but this could not be definitely verified. Amount of damage unknown. At St. Louis and vicinity, a severe electrical and wind storm, accompanied by a heavy downpour of rain, struck around midnight of the 2-3d and high winds continued for several hours. The highest wind velocity recorded at the downtown Weather Bureau Office was 43 miles per hour from the southwest on the 2d at 10:56 p. m., C. S. T. The press reported three persons injured, one seriously, and property damage unofficially estimated at thousands of dollars. Trees were broken and uprooted, chimneys toppled, wires blown or torn down, and windows broken. One local coal company suffered damage of about $10,000 to the superstructure of storage bins and one lumber company had the roof and one wall of a storage shed blown off, exposing stored lumber to the accompanying rain. One person was severely shocked by the lightning accompanying this storm. Falling trees and branches, together with the high wind, disrupted power lines in the storm area.

On the 12th a windstorm was reported at Lexington but no details or estimates of damage available.

Windstorms also occurred on the 31st at Maryville, 13 miles north of Warrensburg, and at St. Louis and vicinity. At Maryville windows were broken and trees damaged. At St. Louis and vicinity limbs were blown from trees and wires were torn down, while the accompanying lightning struck and damaged three houses. Amount of damage on 31st not available.

ERRATA

April 1942, page 21: Mean temperature and greatest precipitation in 24 hours at West Plains should be 59.6 and 2.23 respectively. Page 23: Precipitation at West Plains on 19th should be T. Page 24: Maximum temperature on 11th and minimum temperature on 18th at Rolla should be 50 and 51 respectively; minimum temperature at Clinton on 20th should be 42, mean minimum should be 49.4; maximum temperature on 25th and minimum temperature on 26th at West plains should be 68 and 58 respectively, mean maximum and mean minimum should be 71.2 and 48.0 respectively.

Daily Precipitation for May 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand		1.26	.08		1.08	.02	T.		.48	.03	.26				.05			.13			.01	.30				.11				.06	.01	3.88
Amity[2]	do			.80			.88				.67	.57	T.			.43			.73		T.		.42	.22			.09					.02	4.83
Bethany	do		1.05	.15		.55				.40		.43				.15			.21	.09		*	.07				.46					.30	3.86
Bowling Green[2]	Mississippi			1.03			.44				.23	.42				1.50	.16		1.14								.30						5.22
Brookfield	Grand	.22	*	1.27		*	1.05			*	.50	.42	.35			.35		.14	.73		.06						1.13					T.	6.22
Brunswick[2]	do	.15		1.15			.40				.25	.15	.35		T.	.52			.63								1.27						4.87
Canton, Lock No. 20[2]	Mississippi	.09		.28			.55					.05	.90		T.	.16	.14		.61			.02					.34					.01	3.15
Centralia[2]	do	.18		1.44			.32				.52		.88		.32	.87			.38								.55				.10	.21	5.77
Chillicothe[2] (A)	Grand	.03		1.22			.63				.73	.44	T.			.22			.41			.01					1.66						5.35
Clifton Hill	Chariton		.57	.84		.49	.60			.45	.20	.69		.01		.35		.80	.33								1.27					.42	7.02
Columbia [1‡]	Missouri	.02	1.02			.25				.89	.01	.13	.05	.09	.46	.58		.37	.01	T.					.28	.67					.01	4.84
Conception	do	T.	1.15	.17		1.53				.14	.08	.31		T.				.08				T.	.91	T.		.06					.03	.04	4.50
Edina[2]	Mississippi	.07		.92			1.02				T.	.47	.93		.07	.21			1.31	T.		.06				.62						5.68
Elsberry	do		.10	1.07			.29						.20	T.	.04	1.04		.09	.85							.17					.33	4.18
Farber[2]	do	.24		1.53			.30				T.	T.	.27		.48	1.15	.12		.78							.36	.15					5.38
Fayette	Missouri	.04	.35	.85		1.19	.65			.34	.13	.48	.45	T.	T.	.48		.11	.10			T.				2.51					T.	7.68
Fulton[2]	do																															
Gallatin[2]	Grand	.42		.92		.42	.42					.66				.31			.97				.04				.44						4.60
Grant City	do		1.22	T.		.56	T.			.06	.13	.11																				2.55
Hannibal[3] (A)	Mississippi	.47	1.06			1.06	.05				T.	.72	.06	.11	T.	.81		.57								.02	.25					1.20	6.38
Hermann[2]	Missouri	.06		.65			.48				.46		.03		.90	1.24	.33		1.90	.02							.47	.14					6.68
Kaboka[2]	Mississippi	.06		1.20			.70				.10	1.12	.10			.18		.05	1.04			.10					.54						5.19
Kansas City Airport [1‡]	Missouri		1.09			.07				T.	.04	.81	.22		.22	.03		.35			T.	T.	.55			.23					.01	.06	3.68
Kansas City University	do		.96	.38		.10					.61	.39	.33		T.	.27		.01	.45	T.			.44	T.		.18					.01	T.	4.13
Kidder[2]	Grand	.42		.79			1.41				1.11	.72	.02			.25			.87	T.			.08				.22					T.	5.89
King City	Missouri		.20	1.09		.75	.04			.83	T.	.48				.28		.01	.25			T.	.71								T.	.14	4.78
Kirksville	Mississippi	.09	*	1.27		*	.70			.12	T.	.94	.05	.03		.25			.83		.05						.31					T.	4.64
LaBelle[2]	do	.04		1.20			.94						.68		.12	.26	.06		.54									.77					4.61
Lawson	Missouri		.57	.30		.53				T.	.33	.90	.02		.01	.29			.29				.15		.07							.04	3.50
Linneus[2]	Grand	.26		1.92			.63				.33	.26	.39			.34			.95			.02				1.07						6.17
Louisiana[2] (A)	Mississippi			1.50			.50					.02	.50			1.60	.30		1.60								.20	.04					6.26
Lucerne[2]	Grand	.26		1.02			.53		.08		.32	.35	.10			.45			.26		.04												3.41
Macon[2]	Chariton	.03		1.05	T.		.65	T.	.02		.10	.30	.60		.02	.29	T.		.77	.01		.02					.56					.40	4.82
Madison[2]	Mississippi	.09	.26	.76			1.10				.02	.04	.60			.74			1.02		T.						.56						5.19
Maryville	Missouri		1.25			1.59				.14	.16	.38	.08					.10	.04		.08	.02	.75								T.	T.	4.59
Memphis[2]	Mississippi	.02		1.01			.43				.05	.35	.43			.24			.47	T.		.06					.34						3.40
Mexico[2]	do	.32		1.00			.30				.40		1.10	.10	1.25	1.20			.40								.90	.05				.08	7.10
Milan[2]	Grand	.21		.84			.73		.23		.50	1.04	.21			.30			.89	.07	.03						.33						5.38
Moberly	Mississippi																															
Monroe City	do	.10		1.15		.12	.85					.21	.14	.13		.74			1.03								.59						5.06
New Florence[4]	Missouri	.05	.42			.34				.35		.10	.31	.07	.39	1.05		1.01	.42						.10	.67	T.				.35	5.63
Oregon	do		1.53	.10		.78				.05	.02	.32						T.				.15	.92		T.							.42	4.29
Palmyra[2]	Mississippi	.17	T	1.15			.85					T.	.35	.07	.12	.60	.25		.50			.02				.60						4.68
Paris[2]	do	.31	.02	.77			1.39				.01	.08	.35	.04	.17	.70	.02		1.59							.70	.03					6 18
Perry	do	.25		1.23			.64				.27	.18	.27	*	.53	.92			1.60							.51					.56	6.96
Philadelphia[2]	do	.17	T.	1.15			.80					T.	.20	.05	.15	.80	.25		.45													.90	4.42
Platte City[2]	Missouri	.20		1.11		.08	.48					.94	.06			.29			.72		T.		.44				.28						
St. Charles[2]	do	.01		1.19		.63							.15		.60	.33	.05		.80	T.												1.36	5.40
St. Joseph [1‡]	do		.92			.84				.01	T.	.68			.33			1.65				.61	1.28			.24						.44	7.00
Saverton, Lock No. 22[2]	Mississippi	.23	T.	1.03			1.09					.03	.73	.37	.19	.98	.20		.90													T.	6.07
Shelbina	do	.06	.08	.62		.30	.72			T.		.30				.56		.45	.30		T.						.68					.70	4.77
Shelbyville[2]	do			.83			.87						.69			.48			.39									.57				1.77	5.60
Steffenville	do	.05	T.	.61		.77	.18					.75	.01	.15		.32		1.50	.58		.04						.73					.53	5.67
Tarkio	Missouri		1.12			3.57						.54									.22		.30									.40	7.65
Trenton	Grand	.09	*	1.06		*	.92			.23	*	.90			T.	.39		*	1.02						*	.38					.02	T.	5.01
Troy[2]	Mississippi	.02		.35			.35						.17	T.	.07	.95	.25		1.30	.01						.40	.11					3.98
Unionville[2]	Chariton	.20		.70			.24		.04		.03	.37	.76			.35					T.	.02				.04						2.75
Warrenton	Mississippi	.10		1.00			.55				.08	T.	.10		.57	.80		.08	.97	T.						.98					T.	5.23
Keokuk, Iowa[3]	do	.08	.35			.68	T.			T.	.02	.55	T.	.27	T.	.15		.16	.31		.04				.05	.84					T.	3.49
Southwestern Division																																
Altona[2]	Osage	.60		2.85			T.				.62	1.17	.55			.50			.10	T.			T.				.33						6.72
Anderson (near)	Neosho		.71			T.				T.			.60		.10	.83										.07							2.24
Appleton City	Osage	.08	.18			.40	.27				.82	.57	1.00			.55		.01	1.20				.12										5.27
Bolivar	do	.35	T.	.88		.06	.36				.70	.14	T		.14	.57		.37	.07	.04			.55				T.						4.23
Boonville[2] (A)	Missouri	.10		1.40			.62				2.76	.13	.62	.06		.69			.10								4.85					.12	11.36
Buffalo[2]	Osage	.30		.72			.20				1.04	.25	.22	.02		.73			.07		.03		.11										3.69
Butler[2]	do	.26		.84			.02			.26	.60		.80			.66			.13								.13						3.81
Caplinger Mills[2]	do	.05		.27			1.10				1.15	.15	.55	.05		.96			.12				.11				T.						4.40
Carthage	Neosho	.34		1.10			1.07				T.	.60			.20	.67		.20		.03		.04				.04						4.25
Clinton[4]	Osage		.16			1.12				.50	.87	.22	.46		.26	.51		.36	.31	T.		.02				.33						5.12
Concordia[2]	Missouri																															
Crocker	Osage	.09		.80			.98				1.79		.15		.66	.77		.40		.10						2.41					.03		8.18
Eldon[2]	Missouri	.36		.18			.85				.56	.06	.08		.50	.67			1.36							2.50	.49						7.61
Eldorado Springs	Osage	.16				.73	.02				.79	.27	.78		.03	.92		T.	.17	T.		.07			.05								3.99
Fort Leonard Wood	Gasconade	.40	.85	.35		.45	1.00				1.50				.65	.95		.75	.70	.67	.05					1.13					.15	9.60
Galena[2]	White	.15		.80		.40							.90		.60				.05	.44			.23										3.57
Hailey	do	.39		.61				.80			T.	.25			.07	.61				.58	.03		.23										3.57
Harrisonville[2]	Osage	.25		1.73			.01				.98		.42			.98			.04				.32	.04		.59							5.36
Higginsville[2]	Missouri																															
Jefferson City[2]	do	.20		.35			.29				1.20		.02	.01	.22	.78	T.	T.	1.75				.53				3.63	.23				.03	8.71
Joplin[3]	Neosho	.02	1.40			1.15						.45			.85																		4.40
Lakeside[2]	Osage	.27		.58			1.02				1.90	.27	.03	.01	.14	.75		T.	1.41		T.	T.				1.19	.16						7.76
Lamar[2]	Neosho	.20		.15			1.02					.15	.40			.85																	2.77
Lebanon[2]	Osage	.17		1.33			.25				.80	.65	.04		.96	.86		.01	.57		.05						.01						5.70
Lexington[2]	Missouri	.40		1.02			.41				.89	.05	.20			.39			.22				.06	.04		.10							3.81
Lockwood	Osage	.14		.80		.15	.30				.15	.42			.17	.73		.57	.13	T.													3.56
Manes[2]	Gasconade	.24		.96			.29				.60	.59			.89				1.00		.16		.07				.05					.33	5.18
Marshall	Missouri		.76	.90		.05	1.44				.97	.72	.04			.46			.41							4.09					T.	9.84
Mountain Grove	White	.48		.85			.36				.64	.02	.02		.03	.93		.11	.16	.07	.22		.23										6.85
Mount Vernon	Neosho			.65			.48				.20	.10	.60	T.	T.	.65			T.	T.			.10								2.12	.61	2.78
Neosho	do	.17		.13		.08					T.	.34	.03	T.	.13	.60		T	.02	.01			.55	.05								T.	2.11
Nevada	Osage		.20	.11		.66					.12	.62	.37			.09	.60		.05	.09	T.												2.91
Osceola[2]	do						2.58				.90	.20	1.09	T.		.70				.52	T.			.05			.11						6.15
Ozark Beach[2]	White	.35		.27			.03						1.62		.18	.44			.28			.97		.58									4.72
Pleasant Hill[2]	Osage	.28		3.05			.17				3.48	.30	.41	.04		.77			.23				T.	.20	.25		.26						9.44
Roby	Gasconade	.22	.02		.83		.63	T.			1.35	.03			.08	1.13		.60	.25	.09	.09		.07				.53				.69	.03	6.64
St. Thomas (near)[2]	Osage			.91			.43				.75	.07			.23	.84			2.02							2.43							7.68
Sedalia	Missouri	.22	.26	1.05			.56				.76	.60	.56	.05		.60		T.	.95					.13		T.	.35					T.	6.09
Seligman	Neosho	.65		.21							T.	.39			.15	.65			.85				.45									.12	3.35
Seymour (near)	White	.75		.86			.10				.28			2.95	.07	.40			.17				.17										5.87

Continued on next page

Daily Precipitation for May 1942—Continued from preceding page

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	21	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																
Springfield[1‡]	White	....	.41	T.	....	.16	....	....	....	....	.40	.12	T.	.11	.71	.25	....	.16	T.	.03	....	....	.37	....	....	....	....	....	....	....	....	....	2.72
Stover[3]	Missouri	.24	....	....	....	....	.65	....	....	....	.74	....	....	....	....	1.18	....	1.50	....	....	....	....	....	....	....	....	....	.41	....	....	....	....	.27	4.99
Sweet Springs	....do	.11	.51	1.49	....	.08	1.10	....	....	....	.96	.30	.15	....	....	.56	....	.24	.13	....	....	....	....	....	....	....	.15	....	....	....	....	.42	6.20
Warrensburg	....do	.34	.50	.97	....	.22	....	....	....	....	.41	.10	.51	....	....	.51	....	....	....	....	....	....	.13	....	....	....	....	....	....	....	....	....	3.69
Warsaw	(A)	.08	T.	.05	....	....	1.48	....	....	....	1.05	.07	.40	.65	T.	.95	....	.15	.90	T.	....	....	.02	....	....	.20	....	....	....	....	....	....	6.00
Wasola	White	.96	....	.26	....	....	....	....	....	....	....	.06	....	....	....	.52	....	*	.65	*	.87	....	....	....	....	....	....	....	....	....	....	*	.27	3.59
Waverly[3]	Missouri	.18	....	2.37	....	....	.20	....	....	....	.77	.10	.13	.02	....	.42	....	....	.43	....	....	....	....	....	....	....	.77	....	....	....	....	....	5.39
Southeastern Division																																
Advance[4]	St. Francis	.16	....	.75	....	.04	.25	....	....	....	.02	....	....	....	....	.18	....	T.	.11	.87	.08	....	....	....	....	....	.97	....	....	....	....	....	3.43
Alton (near)	Black	.06	....	2.38	....	....	.20	....	....	....	....	.16	....	....	....	.44	....	....	.52	.54	.51	.25	....	....	....	....	.43	....	....	....	....	1.97	7.46
Annapolis	St. Francis	.33	....	.09	....	....	.73	....	....	....	.74	....	....	....	....	1.50	....	....	....	.45	.58	....	....	....	....	....	1.70	....	....	....	....	.08	6.20
Arcadia[3]	....do	....	.14	.13	.45	....	.44	....	....	.04	.39	T.	....	....	....	.73	T.	....	.04	....	.79	.12	....	....	....	....	.76	1.40	....	....	....	.14	5.57
Belleview	Meramec	.90	....	.45	....	....	.56	....	.14	....	....	....	....	....	....	.98	....	*	.12	.18	.34	....	....	....	....	....	2.00	....	....	....	....	.38	6.05
Birch Tree(near)	Black	.05	....	.59	....	....	.14	....	....	....	....	....	....	....	....	.45	....	....	.13	1.31	.44	.23	....	....	....	....	.75	....	....	....	.53	2.90	7.52
Bragg City	St. Francis	....	T.	.42	....	....	T.	....	....	....	....	....	T.	T.	T.	T	....	....	.15	....	.61	.95	....	....	....	.56	....	....	....	....	....	....	2.69
Campbell	....do	....	....	.58	T.	....	.29	....	....	....	....	....	....	....	....	.11	....	....	.23	T.	.60	....	....	....	....	....	.48	....	....	....	....	....	....	2.29
Cape Girardeau[3]	Mississippi	....	.11	....	.68	....	.98	.01	....	....	T	.21	....	....	.01	.12	.18	....	.17	.61	1.11	.02	....	....	T.	....	T.	1.12	....	....	....	.10	5.43
Carnthersville[3]	....do	....	....	....	.26	....	....	.05	....	....	....	....	....	....	T.	....	....	....	....	....	.52	.10	.07	....	.07	....	....	.18	....	....	....	....	....	1.25
Centerville[3]	Black	....	.32	.20	.40	....	.58	....	....	.45	.35	....	....	....	....	.60	....	....	.03	....	.80	....	....	....	....	....	.98	.95	....	....	....	.60	6.26
Crystal City	Mississippi	.05	....	1.47	....	....	.61	....	....	....	....	....	....	....	.03	.96	....	.08	.07	.16	....	....	....	....	....	....	1.09	....	....	....	....	.98	5.50
Deering[3]	St. Francis	....	....	....	.27	....	.03	....	....	....	....	....	T	....	....	....	....	....	.05	....	.66	T.	.99	....	....	....	....	.52	....	....	....	....	....	2.52
Dexter[3]	....do	....	....	....	.50	....	T.	.52	....	....	....	....	....	....	....	....	.29	....	.11	....	.65	.03	....	....	....	....	....	.50	....	....	....	....	....	2.60
Doniphan	Black	.12	....	.87	....	....	.39	....	....	....	....	....	.07	....	.08	.14	....	....	.26	.32	.67	.77	....	....	....	....	1.52	....	....	....	....	T.	5.21
Farmington	St. Francis	.12	....	1.00	....	....	.32	....	....	.19	.01	....	....	....	....	1.37	....	.02	.03	.13	.51	....	....	....	....	....	1.32	....	....	....	....	.02	5.04
Fisk[3]	....do	....	....	....	1.13	....	.36	....	....	....	....	....	....	....	T.	T.	.27	T.	.01	.17	.84	....	....	....	....	....	T.	.71	....	....	....	....	....	3.49
Fredericktown[3]	....do	....	.07	....	.55	....	.93	....	....	....	....	.25	....	....	....	.94	.09	....	.02	....	1.00	....	....	....	....	....	.25	1.64	....	....	....	....	....	5.74
Gerald[3]	Meramec	....	....	1.30	....	....	1.79	....	....	.15	....	.30	....	....	.50	1.10	....	.03	1.58	....	....	.10	....	....	....	....	2.63	....	....	....	....	.15	9.63
Goodland	Black	.40	.20	.67	....	....	.70	....	....	.50	....	....	....	....	.05	.75	.08	....	.04	.13	.26	....	....	....	....	....	1.65	....	....	....	....	1.11	6.54
Greenville	St. Francis	....	....	1.06	....	....	.49	....	....	.19	....	....	....	....	....	.73	....	....	.28	1.02	1.01	....	....	....	....	....	1.44	....	....	....	....	.34	6.56
Jackson	Mississippi	.06	....	.51	....	....	.91	....	....	.38	....	....	....	....	....	.41	....	....	.18	.61	.96	....	....	....	....	....	1.02	....	....	....	....	....	5.07
Jefferson Barracks	....do	....	....	1.24	....	....	1.31	....	....	....	....	....	.07	....	.90	.64	....	*	.36	T.	.07	....	....	....	....	....	.57	....	....	....	....	.13	5.29
Jerome[3]	Gasconade	.34	....	.82	....	....	.80	....	....	....	1.05	.68	....	....	.10	1.35	.01	.05	.70	....	.10	....	....	....	....	....	.78	1.45	....	....	....	....	8.26
Koshkonong	Black	.14	....	1.50	....	....	.39	....	.01	....	T.	.25	....	....	.27	.34	....	....	.18	1.22	.58	T.	....	....	....	....	....	....	....	....	.40	4.19	9.47
Leeper[3]	....do	....	....	....	.55	....	.55	....	....	.10	T.	....	....	....	T.	.50	....	....	.25	....	1.65	....	.10	....	....	....	T.	1.50	....	....	....	.20	5.40
Licking (near)	Gasconade	.22	....	.92	....	....	.67	....	....	1.53	....	....	....	....	....	1.18	....	.22	.22	....	.22	....	....	....	....	....	1.30	....	....	....	....	.22	6.70
Marble Hill	Mississippi	.05	....	.63	....	....	1.78	....	....	.24	....	....	....	....	....	.17	....	....	.27	.37	1.09	....	....	....	....	....	1.27	....	....	....	....	....	5.87
Meramec Park[3]	Meramec	....	....	.63	....	....	.86	....	....	....	....	....	....	....	.67	1.28	.14	.28	.96	....	.43	....	....	....	....	....	1.86	....	....	....	....	1.32	8.43
Morehouse	Mississippi	....	.01	.96	.02	....	.59	....	....	....	....	....	....	....	....	.19	....	....	.09	T.	.94	....	....	....	....	....	.49	....	....	....	....	....	....	3.29
New Madrid[3]	....do	....	....	....	1.20	....	.02	T.	....	....	....	....	....	....	.05	....	....	....	.06	....	.92	T.	....	....	....	....	....	.26	....	....	....	....	....	2.51
Owensville[3]	Gasconade	.04	....	.98	....	....	.77	....	....	.47	....	....	....	....	1.18	1.52	.16	....	1.48	....	....	....	.08	....	....	....	1.96	.32	....	....	....	.12	9.08
Pacific[3]	Meramec	....	....	1.75	....	....	1.10	....	....	T.	....	T.	....	....	.30	.50	T.	....	.70	T.	.10	....	....	....	....	....	T.	.85	....	....	....	1.87	7.17
Parma[3]	St. Francis	....	....	....	.73	....	.28	....	....	....	....	....	....	....	....	.25	.20	....	....	....	1.85	....	....	T.	....	....	....	.38	....	....	....	....	....	3.69
Perryville[3]	Mississippi	....	T.	....	.61	....	1.63	....	....	....	.35	....	....	....	T.	....	....	T.	....	....	.49	....	.52	....	....	.51	.48	....	....	....	....	....	4.59
Poplar Bluff[3]	(A)	....	....	....	1.25	....	.22	....	....	....	....	....	....	....	T.	.05	....	....	T.	....	1.10	T.	....	....	....	....	....	1.20	....	....	....	....	....	3.82
Richwoods[3]	Meramec	.02	....	.95	....	....	.75	....	....	....	.15	....	....	....	.05	.25	....	....	.75	....	.25	....	....	....	....	....	2.05	....	....	....	....	1.97	7.19
Rolla[4]	....do	.12	.93	.06	....	1.08	.02	....	....	.50	.41	.01	....	....	.45	.60	.84	....	.42	.01	.10	....	....	....	....	....	T.	2.63	....	....	.61	....	....	8.79
St. Louis:																																
City Office[1‡]	Mississippi	T.	.12	1.02	....	1.07	.09	....	T.	T.	....	.07	....	.52	T.	.65	....	.30	.11	.05	....	....	....	....	....	....	T.	.34	....	....	....	.65	4.99
Airport[4‡]	Missouri	T.	.75	.29	....	.62	.06	....	....	....	.09	T.	.49	.05	.56	....	.20	.55	.02	....	....	....	....	....	....	.03	.17	....	....	....	....	.09	3.97
St. Louis Univ.[3‡]	Mississippi	....	.20	.96	....	.80	.25	....	....	....	.16	....	....	.36	....	.59	....	.26	.35	.04	....	....	....	....	....	....	.36	....	....	....	....	.07	5.00
Washington Univ.[2‡]	....do	....	....	1.11	....	....	1.13	....	....	....	....	.20	....	....	.49	.70	....	.03	.43	....	.01	....	....	....	....	....	.37	....	....	....	....	.07	4.54
Salem	Meramec	.55	....	.70	....	....	.58	....	....	1.00	....	....	....	....	.40	.83	....	.58	....	....	.24	....	....	....	....	.40	1.08	....	....	....	....	.73	7.09
Sikeston[3]	Mississippi	....	.02	....	1.04	....	.18	T.	....	....	....	....	....	....	.15	.12	T.	....	.10	T.	1.13	T.	....	....	....	....	T.	.52	....	....	....	....	3.26
Union	Meramec	.12	.39	1.53	....	....	1.20	....	....	.24	T.	.08	....	....	.39	.89	....	.30	1.22	....	.07	....	....	....	....	....	.99	....	....	....	....	3.12	10.54
Valley Park[2]	....do	....	....	1.48	....	....	1.04	....	....	....	....	....	T.	....	.45	.35	T.	T.	.37	.04	.03	....	....	....	....	....	.49	.06	....	....	....	.27	4.58
Van Buren	Black	T.	....	.42	....	....	.65	....	....	T.	....	....	....	....	....	1.00	....	....	T.	1.08	.84	.56	....	....	....	....	.99	....	....	....	....	1.00	6.54
Wappapello Dam[3]	St. Francis	....	.03	....	1.32	....	.13	....	....	T.	T.	....	....	....	....	.12	....	....	.15	.09	.97	....	....	....	....	....	.05	.82	....	....	....	....	3.68
Weingarten[2]	Mississippi	....	.20	....	.48	....	.31	....	....	....	.10	....	....	....	*	.92	....	....	....	.57	....	....	.43	....	....	....	....	.95	....	....	....	....	3.96
West Plains[4]	Black	.03	T.	.48	....	.03	.18	....	....	T.	.10	....	T.	.31	.26	....	.67	....	1.79	....	.33	....	....	....	....	....	....	....	....	....	2.25	1.09	7.52
Williamsville[2]	....do	....	....	....	1.06	....	.35	....	....	.06	....	....	....	....	....	.38	....	....	.31	....	1.46	.02	.02	....	....	....	1.36	....	....	....	....	.10	5.12
Willow Sprgs.(near)	White	.64	....	.59	....	.11	....	....	....	.14	.05	....	T.	.17	.27	....	T.	.25	*	.88	....	T.	....	....	....	....	....	....	....	....	1.61	1.01	5.72
Zalma(near)	Mississippi	.07	.01	.95	.01	....	.33	....	....	.08	....	....	....	....	....	.12	....	....	.14	.24	.96	....	....	....	....	....	1.12	....	....	....	....	.01	4.04
Cairo, Ill [1‡]	....do	T.	....	1.57	....	....	.41	....	....	....	T.	T.	....	T.	T.	.03	....	....	.02	.20	.58	....	....	....	T.	....	.40	....	....	....	....	....	3.21

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for May 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		31	
Lakeside (Osage Dam)	Evaporation	.444	.358	.326	.115	.190	.271	.183	.189	.203	.410	.007	.081	.136	.199	.165	.160	.314	.086	.143	.043	.147	.160	.143	.200	.242	.291	.146	.262	.277	.348	.346	6.585
	Mean temperature	70	66	56	54	59	53	56	58	61	60	65	70	75	62	56	60	58	64	56	58	60	58	60	62	61	71	76	79	78	79	81	64.0
	Wind movement	89	103	79	61	23	95	154	40	14	51	44	51	47	58	41	49	63	27	29	27	21	23	32	21	19	64	19	38	33	59	60	1,534
St. Louis (Washington University)	Evaporation	.297	.251	.110	.182	.165	.197	.258	.116	.155	.165	.134	.196	.172	.248	.211	.068	.167	.035	.052	.104	.191	.140	.142	.154	.214	.241	.083	.228	.236	.274	.288	5.474
	Mean temperature	74	68	66	54	58	59	52	57	62	64	70	69	74	63	52	56	60	64	59	62	59	58	60	59	62	68	71	78	80	80	77	64.4
	Wind movement	61	47	40	41	19	28	53	38	14	11	14	34	33	47	61	37	27	14	21	21	53	20	26	19	17	40	14	29	22	26	38	965

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for May 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	70	72	53	64	65	51	67	74	77	72	72	78	82	65	64	72	64	70	66	61	73	73	74	79	77	85	86	90	91	91	85	73.0
	Minimum	62	52	51	37	37	45	41	41	45	52	53	61	61	49	47	45	45	59	53	49	46	47	49	49	51	55	62	68	72	72	68	52.4
Chillicothe §§	Maximum	67	67	48	62	62	50	67	74	75	70	77	79	80	63	65	73	72	71	68	66	72	70	73	77	75	84	87	88	89	89	82	72.3
	Minimum	57	50	40	33	44	44	38	43	50	50	55	59	62	46	47	44	57	52	54	49	43	54	44	46	51	60	64	71	71	69	68	52.1
Columbia	Maximum	75	77	62	64	71	62	65	72	78	72	71	78	82	65	63	73	70	70	62	67	70	71	73	76	77	84	87	90	90	91	90	74.1
	Minimum	60	56	45	38	49	46	43	43	53	54	60	60	61	51	46	45	59	56	52	46	46	51	47	46	52	59	68	71	71	71	68	54.0
Fayette	Maximum	73	71	67	62	65	63	65	71	72	70	71	77	81	74	62	72	66	69	66	65	70	70	72	77	75	84	86	89	89	89	89	73.3
	Minimum	55	48	46	33	48	48	40	40	46	49	58	58	65	48	45	41	55	56	50	47	43	47	47	47	46	58	66	66	67	68	66	51.5
Grant City	Maximum	67	60	54	60	54	52	66	72	74	67	78	76	75	65	65	73	68	67	69	66	72	67	70	79	73	87	86	89	89	86	81	71.2
	Minimum	53	45	40	30	46	43	34	41	51	51	57	56	65	43	46	43	58	45	41	48	42	53	41	48	50	59	67	69	71	68	67	50.7
Hannibal	Maximum	79	79	60	61	65	59	62	71	75	73	70	75	81	66	57	70	73	68	62	61	69	67	73	75	76	80	81	89	90	90	87	72.4
	Minimum	59	53	43	39	45	45	40	45	50	52	59	59	61	49	43	40	55	54	49	49	48	48	48	48	52	57	62	68	70	69	64	52.4
Kansas City Airport	Maximum	67	66	55	64	68	52	68	74	78	71	75	80	77	60	68	76	73	70	66	66	72	68	71	79	71	88	90	91	90	88	84	73.1
	Minimum	53	50	42	36	49	45	42	47	59	61	60	61	57	49	48	51	58	52	51	52	46	54	49	52	59	68	74	74	73	74	70	55.4
Kirksville	Maximum	74	72	61	67	64	53	67	76	77	73	73	79	83	75	57	75	76	76	69	65	70	69	72	80	79	88	85	92	92	92	86	74.7
	Minimum	59	50	45	36	44	43	38	44	48	48	58	58	64	47	43	40	53	53	47	49	45	48	47	49	50	59	64	70	69	71	67	51.8
Lawson	Maximum	64	64	55	61	58	57	65	72	76	69	75	78	77	63	67	75	73	70	69	67	74	67	72	80	71	88	90	91	89	89	83	72.5
	Minimum	53	48	43	32	46	41	36	46	51	54	58	60	61	44	45	44	57	49	47	46	44	52	44	48	50	60	67	71	69	70	64	51.6
Louisiana §§	Maximum	82	80	60	62	67	55	62	73	77	74	75	78	83	67	54	70	70	68	62	61	70	67	73	72	76	80	81	90	90	90	88	72.8
	Minimum	55	52	58	43	42	44	44	38	42	48	58	60	61	53	45	36	45	57	47	46	46	43	43	42	47	56	60	63	67	67	68	50.8
Macon §§	Maximum	72	73	52	65	65	50	65	74	72	72	70	78	81	69	63	72	72	74	65	65	75	69	76	79	76	85	84	90	90	90	84	73.1
	Minimum	60	52	50	35	37	43	39	40	47	49	58	59	60	47	44	42	44	57	51	49	45	47	47	47	53	55	60	65	71	72	65	51.3
Maryville	Maximum	68	60	51	58	58	56	67	71	76	68	78	75	75	71	64	71	70	64	68	66	69	66	70	76	71	83	85	87	88	85	81	70.6
	Minimum	52	41	40	31	46	42	34	43	50	52	56	56	67	41	43	45	53	44	46	46	43	52	47	48	50	57	68	69	70	69	67	50.6
Mexico §§	Maximum	79	79	57	64	70	55	65	74	80	75	72	80	85	70	60	75	73	71	63	69	75	75	74	76	79	84	86	94	93	94	90	75.4
	Minimum	60	54	54	36	38	44	43	40	44	44	53	59	60	50	43	40	41	48	50	46	43	47	46	45	50	52	60	68	68	68	67	50.4
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	65	61	54	64	62	56	68	74	81	71	80	80	78	75	68	76	70	73	70	71	70	72	79	72	88	89	90	88	87	85	73.8
	Minimum	52	44	40	34	45	41	37	64	54	53	56	57	67	45	40	48	53	43	47	48	45	52	45	48	54	61	70	70	71	71	64	52.2
St. Charles §§	Maximum	85	83	68	71	65	60	60	72	78	74	80	82	83	68	55	72	68	69	67	71	71	70	70	77	77	80	83	94	92	92	89	75.0
	Minimum	67	57	62	45	48	46	46	45	47	54	59	59	62	59	46	42	50	50	50	51	49	50	49	49	51	59	60	60	71	70	66	54.2
St. Joseph	Maximum	64	56	50	62	57	48	68	74	81	71	79	79	77	60	68	75	69	69	71	68	71	69	73	77	71	86	89	90	89	87	81	71.9
	Minimum	54	49	37	33	45	43	40	45	56	56	59	60	54	47	46	50	52	47	50	50	45	52	46	49	58	65	72	74	73	73	65	53.1
Trenton	Maximum	77	65	60	63	59	55	69	75	70	68	77	77	79	74	68	72	74	71	69	70	74	69	73	79	75	87	84	89	90	88	82	73.6
	Minimum	58	49	44	32	47	44	39	46	50	51	59	57	67	45	47	42	56	50	47	50	44	54	46	48	51	61	67	71	71	67	68	52.5
Unionville §§	Maximum	65	67	50	63	58	50	67	73	72	68	73	76	80	67	62	71	73	70	70	67	72	72	74	80	75	89	82	89	90	90	85	72.3
	Minimum	56	45	42	32	33	40	34	36	47	45	47	55	56	44	42	37	41	50	44	46	43	46	45	47	49	53	60	65	68	67	65	47.7
Warrenton	Maximum	88	87	75	64	72	69	60	71	78	76	78	81	85	76	66	73	73	66	67	64	67	69	71	75	78	81	83	92	91	92	88	76.0
	Minimum	61	53	52	39	42	50	44	43	48	52	57	56	64	52	44	40	55	57	49	48	44	48	48	48	50	57	62	66	62	69	64	52.4
Keokuk, Iowa	Maximum	75	72	61	60	60	57	61	71	75	71	70	76	81	66	52	69	72	69	65	62	69	68	72	78	78	79	79	89	89	89	85	71.6
	Minimum	62	57	43	42	46	44	41	46	54	52	59	61	66	50	42	41	55	53	52	52	50	50	50	49	56	60	62	69	70	72	70	54.1
Southwestern Division																																	
Clinton	Maximum	71	80	66	67	71	67	69	74	77	67	72	78	81	68	67	76	72	72	64	68	74	69	72	78	75	89	90	92	91	89	91	75.4
	Minimum	55	51	39	35	36	43	40	42	52	57	58	59	68	48	47	45	58	56	51	47	47	54	45	45	50	63	70	70	71	71	67	52.9
Eldon §§	Maximum	75	81	56	65	72	58	66	73	77	66	69	77	83	60	64	75	67	69	61	69	72	70	72	75	77	84	88	89	88	89	89	73.4
	Minimum	62	51	50	34	34	42	41	40	45	47	55	56	59	53	47	42	42	56	51	47	46	46	47	48	48	49	59	67	66	66	67	50.4
Harrisonville §§	Maximum	66	65	50	61	68	51	70	73	77	71	72	78	82	65	69	74	72	71	64	65	73	68	73	75	72	87	87	88	89	87	89	72.6
	Minimum	53	51	46	35	41	41	34	42	50	55	59	58	58	44	44	45	52	53	53	49	46	55	47	47	50	56	68	68	68	70	67	51.8
Jefferson City §§	Maximum	79	82	59	65	73	60	68	72	77	68	72	78	83	67	63	73	67	70	62	69	72	72	74	76	76	82	87	90	88	90	89	74.3
	Minimum	59	52	54	33	34	45	42	40	42	49	50	56	57	49	43	41	43	52	48	45	44	46	45	44	50	51	57	64	65	67	64	49.4
Joplin	Maximum	72	78	70	69	78	64	66	72	75	78	70	79	80	69	66	80	73	70	61	65	70	68	70	75	78	84	87	89	87	84	88	74.7
	Minimum	60	57	47	40	54	47	44	48	56	63	63	66	69	48	46	48	62	58	56	51	50	57	52	51	54	72	70	74	74	76	72	57.6
Lamar §§	Maximum	71	78	55	67	78	63	69	73	75	73	70	77	82	63	67	77	74	72	61	69	71	69	74	77	75	87	89	92	88	88	89	74.6
	Minimum	57	49	49	32	32	40	36	36	41	49	55	57	58	45	42	41	41	53	52	42	40	40	41	41	46	64	64	65	65	63	47.9
Lebanon §§	Maximum	79	79	63	68	72	61	65	72	74	64	70	76	83	65	63	74	68	67	62	68	70	65	69	74	75	86	88	89	88	87	88	73.3
	Minimum	59	53	54	32	32	45	39	39	41	49	55	57	57	50	46	42	43	55	48	43	43	45	43	43	45	51	59	65	65	66	64	49.3
Lexington §§	Maximum	65	68	49	65	63	52	70	73	78	72	75	79	77	65	68	76	72	73	67	68	74	74	75	79	72	88	90	92	91	90	84	73.7
	Minimum	56	52	48	36	38	43	40	41	50	56	48	53	61	48	47	47	50	53	53	51	48	52	48	51	55	56	65	72	70	72	69	52.5
Marshall	Maximum	77	67	62	61	61	61	65	70	76	69	72	77	80	77	63	73	73	68	68	65	68	70	72	72	75	82	87	90	90	89	88	73.2
	Minimum	59	53	47	36	47	44	40	46	53	52	54	52	68	48	47	45	48	55	53	47	46	48	48	50	50	59	68	71	70	74	65	53.0
Mountain Grove	Maximum	79	76	74	68	71	68	65	73	73	68	72	75	80	75	65	70	72	70	67	71	71	63	71	75	72	79	84	85	86	86	85	73.8
	Minimum	54	55	50	35	45	49	40	39	49	54	56	54	61	54	46	44	51	57	50	50	48	50	44	43	51	61	64	63	64	62	63	51.8
Neosho	Maximum	73	77	73	72	81	74	66	74	74	78	78	79	83	81	61	79	79	70	70	68	71	71	73	76	79	87	88	89	88	86	89	77.0
	Minimum	62	50	53	34	48	46	36	40	47	56	59	62	69	49	45	41	58	57	54	45	40	51	42	44	45	66	63	69	69	73	64	52.8
Nevada	Maximum	71	80	74	69	76	68	70	74	79	75	75	80	80	79	68	78	76	73	72	66	74	72	74	78	74	87	90	93	90	88	90	77.2
	Minimum	56	52	48	34	48	44	39	43	49	58	60	59	67	49	45	45	58	56	55	45	44	54	49	43	49	68	68	68	68	71	66	53.5
Sedalia	Maximum	77	74	73	64	69	67	66	74	76	76	76	77	81	77	66	75	76	69	68	66	72	73	72	75	76	86	89	91	91	91	91	75.9
	Minimum	59	52	46	33	48	43	38	44	51	54	56	59	68	47	46	48	58	55	53	43	43	51	44	46	49	59	69	70	69	72	70	53.0
Springfield	Maximum	75	75	66	66	70	63	65	70	72	68	66	76	82	64	63	72	71	66	63	68	69	64	69	73	72	85	86	88	86	87	88	72.5
	Minimum	57	54	40	33	50	44	40	40	49	56	59	58	58	50	45	42	58	54	51	46	48	49	46	45	50	62	67	66	67	68	67	52.2
Warrensburg	Maximum	67	64	63	65	65	65	70	74	78	75	72	78	80	72	67	76	73	74	69	65	71	71	74	79	76	87	91	92	89	90	91	74.9
	Minimum	56	51	46	35	47	42	40	45	51	56	62	59	65	46	46	47	59	54	57	47	45	54	44	47	52	62	64	69	69	71	68	53.4
Southeastern Division																																	
Arcadia §§	Maximum	80	83	71	70	76	75	66	74	78	70	79	83	82	76	59	77	73	78	74	74	73	74	75	78	79	78	80	92	91	91	89	77.4
	Minimum	67	52	53	39	38	40	46	36	38	45	51	50	54	63	47	36	38	55	52	52	48	40	40	40	39	41	54	58	60	65	65	48.5
Birch Tree (near)	Maximum	78	79	76	71	73	70	65	71	75	74	75	79	76	73	65	74	75	73	65	72	69	69	73	74	75	79	86	88	87	85	85	75.1
	Minimum	62	52	53	33	38	58	45	33	42	54	53	53	53	56	47	48	52	56	50	50	50	45	50	43	41	57	60	60	64	62	64	51.1
Caruthersville §§	Maximum	83	85	75	67	80	79	67	72	78	80	85	85	85	84	65	74	84	82	78	70	73	74	76	77	80	73	88	92	92	92	90	79.5
	Minimum	67	57	68	50	50	50	46	43	46	50	55	60	62	63	62	45	46	55	62	54	49	53	50	52	52	53	60	66	67	70	68	55.8
Crystal City	Maximum	82	84	76	65	73	70	63	71	76	72	82	82	82	76	64	72	67	67	71	72	72	71	73	75	74	77	81	91	90	90	91	75.9
	Minimum	65	55	52	44	43	54	48	39	40	52	52	51	61	60	46	37	54	57	49	53	48	42	42	43	42	56	60	60	61	64	64	51.4
Doniphan	Maximum	81	84	77	70	78	78	74	73	80	79	80	84	82	83	76	72	83	80	74	71	71	75	76	77	80	77	89	94	93	93	90	79.8
	Minimum	65	59	60	43	43	61	47	36	40	56	50	54	58	60	52	37	47	59	53	52	54	47	44	45	41	56	62	60	61	64	61	52.5
Farmington	Maximum	79	83	75	66	76	71	63	69	75	71	80	82	83	75	68	76	71	75	68	72	70	71	71	73	78	76	81	92	90	91	89	76.1
	Minimum	64	62	55	41	41	53	46	40	45	57	59	58	65	65	52	51	59	60	54	53	51	45	46	53	43	55	65	67	68	72	67	55.3
Jackson	Maximum	84	85	81	67	78	80	79	70	77	77	81	85	86	85	72	75	79	78	78	72	71	73	74	75	80	74	84	92	92	92	91	79.7
	Minimum	68	58	61	43	44	63	49	40	42	47	55	58	64	67	49	39	52	58	58	54	53	49	47	47	46	56	59	64	67	72	70	54.8
Poplar Bluff	Maximum	81	86	80	70	77	81	70	74	78	78	81	83	85	83	72	78	85	82	72	72	68	75	76	80	80	75	87	91	92	92	90	79.8
	Minimum	66	61	56	45	47	62	41	41	45	51	52	51	62	66	57	43	50	59	54	54	55	51	50	49	46	58	64	68	66	69	67	55.0
Rolla	Maximum	82	80	66	66	75	63	63	71	75	62	75	78	81	65	61	73	64	65	62	69	68	70	70	72	75	81	86	88	87	88	87	73.2
	Minimum	59	53	44	36	44	46	45	43	48	54	57	57	63	53	45	43	53	55	50	46	47	49	46	47	50	55	65	66	66	65	65	52.1
St. Louis	Maximum	82	82	72	64	70	63	58	70	75	73	81	82	83	70	60	70	68	69	69	70	68	69	70	74	77	75	81	90	91	92	87	74.4
	Minimum	68	63	49	45	48	50	47	51	55	58	58	60	63	58	46	46	55	60	54	55	52	54	55	54	57	59	62	65	73	73	66	56.7
Salem	Maximum	81	82	75	75	76	68	65	73	78	67	76	79	80	73	63	75	73	70	68	73	71	71	72	75	76	82	86	89	88	90	88	76.1
	Minimum	56	53	52	35	44	54	45	36	44	54	57	55	61	54	45	39	53	60	50	51	48	44	41	42	42	55	65	65	63	66	64	51.5
Sikeston §§	Maximum	82	88	74	69	80	81	67	73	80	79	84	86	88	85	60	80	85	81	71	71	70	75	78	79	82	74	87	97	95	93	88	80.1
	Minimum	66	62	66	47	46	50	46	41	45	56	57	60	62	65	54	42	50	60	60	54	54	51	46	50	46	52	59	64	67	70	70	55.4
Union	Maximum	85	85	76	67	75	71	68	72	79	71	79	82	84	76	64	77	70	69	66	72	70	74	70	77	78	83	85	93	91	92	89	77.1
	Minimum	59	47	50	37	40	51	45	36	40	51	52	53	63	53	44	39	54	56	45	48	45	43	45	42	43	57	61	65	68	64	65	50.2
West Plains	Maximum	81	80	73	70	73	69	66	72	75	78	74	80	78	74	65	73	76	72	66	72	69	68	73	76	77	78	89	89	89	89	87	75.8
	Minimum	56	52	48	36	44	50	42	37	44	58	55	51	64	56	42	39	51	55	52	51	51	49	46	45	43	63	62	60	61	63	66	51.5
Cairo, Ill.	Maximum	80	85	76	63	75	76	61	67	74	72	82	83	83	82	69	71	80	80	71	68	71	71	71	72	78	72	82	92	91	89	89	76.6
	Minimum	70	66	53	49	47	53	51	48	51	61	62	64	64	67	49	47	55	62	55	55	55	54	53	55	54	61	62	68	72	73	70	58.3

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI JUNE 1942 No. 6

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Rain, rain, and more rain characterized the month just closed, resulting in flash floods, moderate floods, and severe floods of extended duration, with resultant losses to crops, livestock, and other property of millions of dollars in bottom lands along the many streams and rivers of the State. There were a few drownings reported as a result of floods and high water and many instances of persons being stranded by flood waters, necessitating rescue by boats. The frequent and excessive precipitation retarded the planting, cultivating, and harvesting of crops and this created a rather serious situation in those areas not affected by flood waters.

The temperature for the month averaged practically normal, but due to excessive humidity the heat was very oppressive on the warmest days, and there were a number of heat prostrations and a few fatalities reported, particularly in the larger cities. The Southeastern Division was the warmest with an average of 74.5°, or 0.5° above normal, while the Northern and Southwestern Divisions averaged slightly below normal. The first to the tenth, and the last five days were warm periods, while the 13th to the 19th, and the 21st to the 27th were cool periods. The 3d, 4th, 5th, 28th, and 29th were generally the warmest days and the 13th, 14th, and 15th were the coolest. The extreme low this month of 35°, on the 13th, has been equalled or exceeded only three times in the past 54 years; namely, in 1917, 1913, and 1894. Sunshine this month was approximately 16 per cent less than normal.

Precipitation during June was heavy to excessive and very frequent, occurring on an average of 14 days, for the State as a whole, while a number of stations reported rain on 17 and more days, and Lexington on 20 days. It was the wettest June since 1935 and the third wettest of record. Wetter Junes were in 1928 with an average of 11.25 inches and in 1935 with 8.95 inches. The rains were frequently accompanied by severe electrical storms and high winds and these resulted in considerable damage, with three fatalities from lightning. The Southwestern Division received the most precipitation with an average of 8.45 inches, while the Northern and Southeastern Divisions averaged 8.01 inches and 6.64 inches, respectively; all of which are approximately two to three inches more than normal. There were some stations in each division that received less than normal June rainfall, indicating that the heavy and excessive rains were not general over the whole State but were more or less spotted; however, these areas were relatively small and the greater part of the State experienced considerably more than normal amounts of precipitation.

On the 25-26th there was an unusually heavy concentration of rainfall over the east-central portion of the State, when amounts ranging up to over seven inches in a 24-hour period occurred.

High water and flood conditions were general throughout the latter two-thirds of the month, except in the southern portion of the Southeastern Division, and this condition was aggravated by numerous very heavy downpours in various sections of the State, at various times, resulting in flash floods in the smaller streams with severe damage in the affected areas.

In the major rivers of the State, crest stages were higher than at any time since 1935 or 1929, and at Boonville and Hermann since 1903.

The excessive precipitation the latter two-thirds of the month was very unfavorable for the corn crop, which had not all been planted when the rains began, and the frequency of the rains kept the fields too wet for further planting and cultivation and they became very weedy and grassy. Erosion of fields was excessive. Wheat was adversely affected by the wet weather and harvest delayed, while oats and hay were improved and the latter crops were good to excellent; however, the wet weather made it very difficult to cut and cure the hay crop. In the flooded areas along the larger streams and rivers, all crops were ruined and would have to be replanted to catch-crops, or abandoned, because of the lateness of the season after the water subsided and the ground became dry enough to work.

Gardens and truck crops advanced satisfactorily but the ground was too wet for proper cultivation. Fruit prospects were good with an excellent crop of blackberries and raspberries reported, but the strawberry crop was rather disappointing.

Pastures were excellent throughout the month. Sunshine and warm, dry weather were needed for best results at the close of June.—M. R. W.

(Continued on page 33)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia.....	29.92*	30.17*	14	29.57*	11	6.2	30	nw.	25	89*	68*	69*	47
Kan. C. Airport.	29.91	30.19	30	29.55	20	9.5	50	nw.	18	84	61	61	57
St. Joseph.....	29.91*	30.20*	30	29.53*	20	8.0	34	w.	12	94*	66*	70*	56
St. Louis.....	29.93*	30.23*	19	29.58*	13	9.4	40	se.	25	82	63	64	58
Springfield	29.92	30.16	30	29.61	11	8.9	37	se.	17	90	67	69	54
Cairo, Ill.....	29.93§	30.16	27	29.64	12	6.6	25	e.	8	87	63	..	66
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888.....	72.6	103	36	5.81	5.98	5.96	5.50	0	7	..	..	..
1889.....	70.7	100	38	4.66	4.29	4.57	5.13	0	6	..	..	..
1890.....	77.2	106	44	2.45	3.14	2.49	1.71	0	6	..	..	..
1891.....	73.2	103	46	6.56	5.61	7.99	6.08	0	13	..	..	..
1892.....	74.5	100	45	3.09	3.04	3.72	2.52	0	7	15	9	6
1893.....	72.6	98	40	4.72	4.92	3.91	5.32	0	9	12	12	6
1894.....	74.5	105	35	3.74	4.28	4.92	2.03	0	7	16	11	3
1895.....	73.3	100	42	5.87	6.07	6.33	5.20	0	10	12	11	7
1896.....	72.5	101	45	3.98	3.32	3.63	5.00	0	9	12	11	7
1897.....	73.6	102	38	6.25	6.49	5.74	6.51	0	12	9	14	7
1898.....	75.3	100	49	5.92	6.32	6.54	4.90	0	11	13	12	5
1899.....	74.3	101	42	3.92	3.71	4.83	3.21	0	9	15	10	5
1900.....	73.3	103	44	5.05	3.71	5.06	6.37	0	10	12	12	6
1901.....	77.9	106	40	2.02	2.67	1.47	1.92	0	6	18	10	2
1902.....	70.9	100	37	6.42	6.64	6.95	5.68	0	12	11	10	9
1903.....	67.3	95	36	3.28	2.96	3.78	3.09	0	9	15	9	6
1904.....	70.5	93	45	6.68	5.31	8.23	6.51	0	11	12	12	6
1905.....	75.2	103	42	3.14	2.84	3.06	3.52	0	7	15	10	5
1906.....	72.7	101	40	4.82	3.28	6.62	4.55	0	10	15	9	6
1907.....	71.2	97	40	5.47	5.76	6.40	4.24	0	11	14	10	6
1908.....	72.3	98	43	6.01	6.92	6.78	4.33	0	11	13	10	7
1909.....	73.9	98	48	5.23	5.96	5.78	3.95	0	11	11	13	6
1910.....	70.4	99	38	4.11	3.08	4.69	4.57	0	8	16	7	7
1911.....	78.9	112	43	1.76	0.93	1.59	2.77	0	6	18	8	4
1912.....	69.5	100	42	4.77	3.31	5.39	5.62	0	9	14	8	8
1913.....	75.4	107	33	2.55	3.01	2.31	2.32	0	6	18	8	4
1914.....	79.3	106	43	2.26	3.11	2.50	1.17	0	5	18	7	5
1915.....	70.8	98	38	6.45	7.53	7.24	4.57	0	12	11	10	9
1916.....	70.0	100	42	5.86	5.05	6.50	6.04	0	10	14	9	7
1917.....	71.0	103	35	3.67	5.72	2.20	3.10	0	8	19	7	4
1918.....	77.2	110	48	3.09	3.04	3.20	3.04	0	7	17	8	5
1919.....	75.0	104	44	5.58	5.04	6.24	5.47	0	11	14	10	6
1920.....	72.7	104	41	2.35	3.09	2.14	1.83	0	6	18	7	5
1921.....	76.6	105	44	5.81	4.74	7.74	4.96	0	12	12	10	8
1922.....	76.5	108	43	1.61	1.72	1.39	1.72	0	5	19	8	3
1923.....	73.5	103	45	5.56	5.30	6.52	4.87	0	11	14	9	7
1924.....	72.5	101	38	7.27	8.53	7.70	5.57	0	14	12	12	6
1925.....	76.5	103	46	5.99	7.68	4.99	5.31	0	9	15	10	5
1926.....	70.9	101	37	3.60	5.02	3.79	1.99	0	8	15	9	6
1927.....	70.3	99	41	5.81	5.38	6.77	5.28	0	10	15	7	8
1928.....	67.7	91	40	11.25	8.59	11.03	14.12	0	15	8	11	11
1929.....	71.3	99	39	5.69	6.57	5.98	4.52	0	10	16	8	6
1930.....	72.4	109	36	3.77	5.17	4.63	1.52	0	7	18	8	4
1931.....	77.1	107	40	2.75	4.09	1.81	2.35	0	6	19	8	3
1932.....	75.2	103	47	4.81	5.53	6.09	2.82	0	10	12	12	6
1933.....	78.4	107	38	1.47	2.89	0.92	0.61	0	3	22	6	2
1934.....	80.4	108	47	2.82	2.92	2.72	2.83	0	7	17	10	3
1935.....	69.6	98	39	8.95	6.73	11.06	9.07	0	15	9	12	9
1936.....	76 5	112	40	1.42	1.30	1.38	1.57	0	4	21	6	3
1937.....	74.4	105	43	4.93	3.43	5.79	5.56	0	10	14	10	6
1938.....	72.4	98	44	4.77	4.20	5.04	5.06	0	10	13	11	6
1939.....	74.6	99	41	5.64	7.70	5.38	3.83	0	12	11	13	6
1940.....	73.5	98	44	4.36	4.24	5.10	3.75	0	8	13	10	7
1941.....	74.1	103	43	4.23	4.79	5.12	2.78	0	9	14	9	7
1942.....	73.3	98	35	7.70	8.01	8.45	6.64	0	14	9	10	11
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period.....	73.6	112	33	4.69	4.74	5.06	4.26	0	9	14	10	6

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Climatological Data for June 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	70 8	.....	93	5	35	13	13	7.86	+2.62	2.98	20	0	13	12	15	3	s.	Curtis E. Grace
Bethany	Harrison	916	47	71.1	− 0.9	93	5	41	14	49	7.16	+2.10	2.58	20	0	10	14	9	7	se.	A. S. Cumming
Brookfield	Linn	767	1	73.0	.....	96	4	41	14	1	11.72	.....	5.24	26	0	12	12	12	6	se.	E. W. Patrick
Brunswick	Chariton	652	61	73.0	0.0	95	4	47	14	63	11.61	+6.50	2.95	25	0	18	8	5	17	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	73.0	.....	93	4	45	14	12	3.04	−1.74	1.25	26	0	17	9	14	7	se.	Lockmaster
Chillicothe	Livingston	779	33	71.6	− 0.7	93	4†	44	14	36	10.41	+5.68	5.85	25-26	0	14	15	3	12	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	72.4	0.0	95	4	43	14	33	11.82	+7.43	7.30	26	0	15	9	8	13	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	73.7	+ 0.3	94	3	45	14	52	7.18	+2.42	3.70	25-26	0	16	3	16	11	e.	U. S. Weather Bureau
Conception	Nodaway	980	53	72.2	+ 0.7	93	5	45	14	58	11.87	+6.92	5.31	20	0	14	7	19	4	s.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	74.0	− 0.4	98	4	43	14	11	7.06	+3.62	1.60	26	0	13	5	18	7	nw	Ray E. Mills
Fayette	Howard	760	62	71.9	− 0.9	93	4	44	14	59	8.35	+3.78	3.14	25	0	18	11	5	14	s.	Irvin E. Schnell
Fulton	Callaway	818	54	74.0	+ 0.8	95	4	46	14	50	9.68	+5.28	2.56	26	0	14	12	11	7	se.	Robert T. Wise
Grant City	Worth	1,134	38	70.9	+ 0.1	92	4†	40	14	50	7.67	+2.67	4.27	20	0	13	10	10	10	sw.	Howard Rybolt
Hannibal	Marion	759	50	71.6	− 0.9	94	4	44	14	58	6.76	+2.86	2.02	18-19	0	13	11	7	12	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	74.2	+ 0.6	95	4	48	14	53	7.35	+2.36	2.52	18-19	0	19	5	11	14	se.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	73.4	.....	93	3†	43	14	4	9.94	.....	2.35	19	0	18	6	15	9	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	71.4	− 0.4	92	5	44	14	54	10.82	+5.85	4.53	25-26	0	16	10	12	8	sc.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	72.9	+ 1.2	97	4	42	14	60	6.67	+1.61	3.20	18	0	13	17	8	5	sw.	Howard Coons
Lawson	Ray	1,070	4	72.6	.....	96	10	41	14	4	10.19	.....	2.72	25	0	13	19	8	3	se	Frank G. Gstrein
Louisiana	Pike	469	48	71.8	− 0.3	94	4	44	14	61	7.62	+3.39	2.30	26	0	15	11	11	8	s.	Stark Bro's Nurseries
Macon	Macon	875	43	72.2	− 0.2	98	4	43	14	49	8.25	+3.53	3.40	26	0	16	8	5	17	se.	John W. Atwell
Maryville	Nodaway	1,169	52	70.6	+ 0.8	92	4	45	13†	48	10.03	+4.92	3.40	20	0	14	14	3	13	se	R. B. Montgomery
Memphis	Scotland	787	3	71.3	.....	95	4	43	14	12	4.05	−1.08	1.74	8-9	0	13	9	10	11	se.	John W. Alexander
Mexico	Audrain	800	53	73.2	0.0	95	3†	43	14	64	12.00	+7.26	3.75	26	0	18	9	5	16	se.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	....	.....	....	.....	..	..	..	..	..	.....	.....
Oregon	Holt	1,018	86	72 8	+ 0.6	95	4†	46	14	86	6.26	+0.89	1.98	25	0	12	15	11	4	se.	Miss Mina Wright
St. Charles	St. Charles	520	54	74.4	+ 0.5	95	4	48	14	64	7.80	+3.80	2.89	26-27	0	15	11	12	7	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	73.0	− 0.7	94	5	46	14	70	5.61	+0.66	1.95	24-25	0	16	6	12	12	e.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	73.1	.....	97	4	51	14	4	6.91	.....	2.17	19	0	14	11	14	6	w.	Lockmaster
Shelbina	Shelby	779	1	72.5	.....	95	4	40	14	49	8.02	+3.54	2.42	26	0	13	13	7	10	se.	Guyman Hatcher
Steffenville	Lewis	650	44	72.2	− 0.4	95	4†	42	14	49	4.16	−0.38	1.18	25	0	17	15	6	9	sc.	Samuel D. Gross
Tarkio	Atchison	916	39	70.9	− 0.9	94	4	45	13†	48	10.15	+5.19	5.75	25	0	12	5	8	17	se.	Albert Volker
Trenton	Grundy	822	46	72.4	+ 0.2	95	4	44	14	47	6.62	+1.58	1.71	26	0	14	13	11	6	s.	W. H. Estes
Unionville	Putnam	1,062	49	70.2	− 1.1	95	4	40	14	49	4.24	−0.95	1.20	1	0	13	9	15	6	s.	C. D. Wilson
Warrenton	Warren	816	60	73.4	0.0	95	4	45	14	52	7.16	+3.38	1.89	26	0	15	2	14	14	nw.	Benj. F. Frick
Keokuk, Iowa	Lee, Ia.	574	70	73.1	+ 0.6	95	4	47	14	70	3.28	−0.85	1.27	25	0	12	10	8	12	s.	U.S. Weather Bureau
Division means and extremes		.....	..	**72.4**	**− 0.1**	**98**	**4**	**35**	**13**	..	**8.01**	**+3.27**	**7.30**	**26**	**0**	**15**	**10**	**10**	**10**	**se.**	
Southwestern Division																					
Anderson (near) ‡‡‡	McDonald	1,000	38	73.0[f]	+ 0.3	88	26†	55	16†	43	6.75	+0.82	1.20	17-18	0	14	8[f]	11[f]	5[f]	se.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	73.2	− 1.2	94	4	45	14	50	10.54	+5.52	2.08	7	0	17	10	0	20	sw.	Rolla Brown
Bolivar	Polk	1,071	39	73.0	+ 0.2	92	3†	45	14	47	8.40	+3.09	2.90	17	0	16	8	16	6	sw.	Southwest Baptist College
Boonville	Cooper	650	4	70.9	.....	94	4	47	14	65	8.79	+3.74	1.80	8-9	0	18	9	6	15	se.	Boonville Water Dept.
Carthage	Jasper	962	8	74.3	.....	93	3	44	14	18	7.31	.....	1.47	10	0	12	10	8	12	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	74.0	+ 0 2	95	3†	41	14	55	7.58	+2.68	1.96	17	0	18	5	18	7	se.	U. S. Weather Bureau
Eldon	Miller	934	47	74.2[1]	+ 1.2	92	3†	44	14	43	7 73	+3.69	....	.....	0	16	5[1]	5[1]	8[1]	.....	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	70.0	.....	95	1†	42	15†	1	7.83	.....	1 72	6[i]	0	15	16[b]	4[b]	8[b]	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	71.7	− 1.4	93	3	42	14	67	6.69	+1.90	1.34	7-8	0	19	6	5	19	e.	John H. Patterson
Jefferson City	Cole	557	52	71.7	− 2 1	93	4	42	14	60	9.23	+5.00	3.63	26	0	17	8	10	12	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	75.6	+ 2.2	92	3	50	14	37	6.86	+0.86	1.56	21	0	12	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	73.9	− 1.1	97	4	45	14	11	7.24	+2.63	1.80	26	0	19	8	7	15	se.	W. S. Frame
Lamar	Barton	980	54	71.2	− 3.0	96	4	42	14	61	9.52	+3.98	2.30	18-19	0	14	8	8	14	se.	Jesse A. Mann
Lebanon	Laclede	1,265	54	71.0	− 1.7	92	3†	43	14	55	7.72	+2.55	2.00	17	0	16	8	6	16	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	74.0	+ 1.1	96	4	47	14	58	11.86	+7 31	2.00	19	0	20	12[a]	11[a]	6[a]	ue.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	74.4	+ 0.8	95	3	46	14	46	9.20	+3.52	1.71	17	0	16	8	18	4	se.	Hubert A. Nieman
Marshall	Saline	779	55	74.0	+ 0.8	95	29	45	15	52	11.01	+6.24	3.16	25	0	15	11	13	6	se.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	71.7	− 0.1	92	3	45	14	45	6.90	+1.96	1.41	17	0	14	6	23	1	se	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	73.5	+ 0.2	94	3†	42	14	42	6.38	+1.12	2.10	17-18	0	12	10	10	10	se.	G. H. Boswell
Neosho	Newton	1,011	55	75.1	+ 1.3	94	28	54	14†	59	7.87	+1.90	1.77	17-18	0	15	9	11	10	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	74.0	+ 0.5	96	4	45	14	50	12.40	+6.95	4.17	20-21	0	16	8	14	8	e.	Heury Kraft
Ozark Beach	Taney	700	2	75.3	.....	96	3†	49	14	17	3.14	−2.74	0.80	18	0	11	13	9	8	ne.	V. Smith
Sedalia	Pettis	910	29	73 5	− 0.7	95	4	40	14	31	6.37	+1.19	1.32	26	0	15	14	8	8	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	71.4	− 1.0	88	3	45	14	39	7.16	+2.21	1 86	17-18	0	18	9[a]	15[a]	5[a]	se.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	71.5	− 0.2	89	3†	45	14	36	7.90	+2.56	3.26	17	0	12	9	12	9	se.	A. L. Hailey
Springfield	Greene	1,301	54	72.2	− 0.3	90	3	44	14	54	6.01	+1.33	1.47	17-18	0	17	5	9	16	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	73.0	.....	94	3†	42	14	1	10.77	.....	2.75	22	0	18	14	13	3	s.	H. F. Nelson
Warrensburg	Johnson	878	55	73.4	− 0.5	95	4	44	14	62	11.49	+6.43	2.85	26	0	16	9	11	10	e.	E. A. Markey
Warsaw	Benton	687	41	73.7	− 0.1	95	3†	42	14	47	12.11	+6.81	5.30	17	0	14	6	21	3	e.	Everett Martin
Wasola	Ozark	1,294	1	73.6	.....	93	3	48	14	2	4.48	.....	1.12	12-13	0	12	14	11	5	s.	A. W. Pinckney
Division means and extremes		.....	..	**73.1**	**− 0.2**	**97**	**4**	**40**	**14**	..	**8.45**	**+3.39**	**5.30**	**17**	**0**	**15**	**9**	**11**	**10**	**se.**	
Southeastern Division																					
Advance	Stoddard	354	5	75.0	.....	97	29	50	15	5	3.94	.....	1.11	13†	0	13	5	4	21	n.	U. S. Weather Bureau
Arcadia	Iron	926	61	72.4	+ 0 6	95	29	46	15	64	7.39	+3.25	1.76	26-27	0	14	10	13	7	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	73.0[i]	+ 0.3	93	29	45	14	48	4.99	+0.58	1.29	17	0	11	15	10	5	.....	V. H. Kirkendall
Bragg City	Pemiscot	261	0	76.2	.....	98	29	55	14†	11	5.44	+2.03	1.89	10	0	9	14	13	3	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	78.1	+ 2.6	98	29	56	15	16	4.88	+0.64	1.56	10	0	14	8	19	3	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	77.0	− 1.4	97	2	55	14†	50	4.45	+0.64	2 00	13-14	0	7	21	0	9	sw.	Victor T. Malloure
Crystal City	Jefferson	420	8	73.0	.....	94	4†	46	14	8	8.01	.....	2.11	13	0	13	1	11	18	e.	Frank Magre
Doniphan	Ripley	344	38	74.9	− 0.1	96	29	50	14	38	4.23	−0.13	0.63	15	0	16	17	5	8	nw.	Boyce Lackey
Farmington	St. Francois	896	31	74.8	+ 2 0	95	29	49	14	45	5.77	+1.89	1.44	25-26	0	15	7	10	13	s.	F. M. Karsch
Goodland	Iron	1,000	49	72.0	+ 0.1	93	3†	45	14	49	5.92	+1.86	1.01	11	0	12	11	11	8	s.	F. M. Adams
Greenville	Wayne	381	33	74.8	+ 1.2	97	4†	48	14†	35	4.22	−0.47	1.62	10	0	9	9	10	11	n.	Beniord Shoemake
Jackson	Cape Girardeau	428	51	76.0	+ 1.9	98	28	50	15	52	6.00	+1.31	1 27	13	0	12	3	7	20	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	75 4	+ 1.2	95	4	49	14	28	8.87	+4.15	1.87	26	0	14	8	14	8	sw.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	74.2[a]	− 0.2	92	27†	51	14	42	5.35	+0.85	1.73	10	0	13	9[a]	9[a]	11[a]	ne.	R. M. Hitt

Continued on next page

Climatological Data for June 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	73.6	.....	94	27	44	14	5	9.01	.....	1.64	13	0	16	10	14	6	e.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	73.3	− 0.7	97	3†	44	15	49	3.78	−0.70	1.58	12–13	0	9	13	11	6	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	76.2	+ 0.8	97	29	52	14	38	4.16	+0.04	0.75	6‖	0	10	6	15	9	no.	B. R. Wheetley
Rolla	Phelps	1,202	42	71.6	− 1.4	90	3‖	45	14	58	10.24	+5.83	2.97	25–26	0	15	1	11	18	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	75.0	0.0	94	4	51	14	105	7.24	+3.42	2.74	25–26	0	16	5	13	12	s.	**Section Center**
St. Louis Airport	St. Louis	556	5	74.0	0.0	95	3	48	14	11	8.32	+4.03	2.61	25–26	0	15	3	9	18	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	74.7	− 0.5	93	4†	51	14	30	7.19	+3.60	2.06	26	0	15	11	9	10	nw.	St. Louis University
Salem	Dent	1,173	38	72.8	+ 0.4	93	3†	45	14	41	8.26	+3.61	2.10	12–13	0	16	14	4	12	s.	E. E. Martin
Sikeston	Scott	318	35	76.5	+ 2.2	97	1‖	51	15	45	3.15	−1.04	0.63	14	0	15	6	14	10	ne.	Mrs. Hazelle P. Young
Union	Franklin	520	4	73.8	.....	94	29	45	14	25	9.58	+5.28	1.44	9	0	14	10	3	17	s.	Robert Mueller
Wappapello Dam	Butler	475	3	76.0	.....	95	29	54	14†	3	3.47	.....	0.76	10	0	13	8	15	7	se.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	73.4	.....	95	29	48	14	2	5.01	.....	1.02	26	0	14	4	2	24	s.	John A. Kettinger
West Plains	Howell	1,005	5	73.2	.....	92	4†	51	14	5	6.57	.....	2.83	7	0	15	5	11	14	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	72.0	.....	92	28	46	14	35	3.39	−1.44	1.05	17–18	0	14	9	9	12	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	77.1	+ 1.1	95	29	55	15	71	3.51	−0.32	1.24	12–13	0	13	4	10	16	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**74.5**	**+ 0.5**	**96**	**28†**	**44**	**14†**	..	**6.64**	**+2.38**	**3.71**	**26**	**0**	**13**	**8**	**10**	**12**	**s.**	
State means	**and extremes**	.....	..	**73.3**	**− 0.3**	**93**	**4†**	**35**	**13**	..	**7.70**	**+3.01**	**7.30**	**26**	**0**	**14**	**9**	**10**	**11**	**se.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 31)

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 73.3°, or 0.3° cooler than normal. The highest monthly mean was 78.1° at Campbell, and the lowest monthly mean was 70.0° at Fort Leonard Wood. The highest recorded was 98° at Elsberry and Macon on the 4th, at Jackson on the 28th, and at Bragg City and Campbell on the 29th, and the lowest was 35° at Albany on the 13th.

PRECIPITATION

The average for the State, 156 stations reporting, was 7.70 inches, or 3.01 inches more than normal. The greatest local monthly amount was 14.51 inches at Meramec Park, and the least local monthly amount was 2.78 inches at Kahoka. The greatest amount in any twenty-four hours was 7.30 inches at Clifton Hill on the 26th. The average number of days with 0.01 inch or more was 14.

MISCELLANEOUS PHENOMENA

Floods.—In Bourbeuse River on 24th and 27th to 29th. In Grand River on 12th and continued into July. In Gasconade River on 20th. In Meramec River on 1st to 2d, 14th to 17th, 21st to 24th, 26th to 30th. In Mississippi River on 9th and continued into July. In Missouri River on 13th and continued into July. In Osage River on 19th to 28th.

Fogs.—Dense, 7th, 8th, 11th, 12th, 13th, 14th, 17th, 18th, 22d, 24th, 25th, 27th.

Hail.—Light, on 1st at Lawson, 6th at Butler and Warsaw, 10th at Kansas City University, 12th at Springfield, Maryville, and New Madrid, 20th at Albany, Amity, and Bethany, 25th at Clifton Hill, 26th at Brunswick, Pleasant Hill, and Koshkonong. Moderate, on 3d in Two Mile community, Dunklin County, with some damage to crops and roofs; 12th in south part of Kansas City, and to south of the city, with some damage to gardens. Heavy, on 4th at Anderson and on 21st in DeKalb County. (See special hailstorm notes.)

Halos.—Solar, 5th, 8th, 12th, 16th, 19th, 21st, 24th, 25th, 26th, 27th; lunar, 28th.

Thunderstorms.—Local, 2d, 3d, 4th, 14th, 15th, 16th, 17th, 22d, 24th, 27th, 28th, 29th; more or less general, 1st, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 18th, 19th, 20th, 21st, 25th, 26th.

Tornadoes.—On the 20th at Amity and Oregon. (See special tornado notes.)

Windstorms.—On the 3d a wind and electrical storm occurred during the afternoon in Dunklin and Pemiscot Counties, resulting in the death of two men by lightning and several houses and barns in various communities were destroyed or damaged and power lines disrupted. The Bragg City area suffered the greatest damage. Hail accompanied the wind and did some damage to crops and a few roofs in the Two Mile community. Amount of damage not available. On 8th in south St. Louis with minor damage to trees; also at St. Charles. On 11th at New Madrid. On 12th at Deering, New Madrid, Farmington, and Salem. On 13th at Chillicothe and New Madrid with much damage at Chillicothe. On 17th at Salem. On 19th at Maryville with much damage to trees, barns, etc., also southwest of Warrensburg with minor damage. On the 20th at Grant City and Stanberry with much damage to crops at Grant City. On 22d four miles west of King City. On 25th at Farmington and St. Louis and St. Louis County with minor damage to trees, wires and windows at latter places. (No amount of damage available for above windstorms.)

TORNADOES

At about 3:20 a. m. on the 20th an already strong wind became tornado-like at Oregon and demolished some barns and outbuildings, damaged roofs and chimneys, uprooted and broke trees, and disrupted communication lines. The town was a mass of tree limbs and shingles. Amount of damage not available. (This storm may not have been a true tornado but observer reports distinct rumbling and reported it as a tornado-like wind.)

On the same date a small tornado struck at Amity, DeKalb County, at about 3:40 a. m., destroying three business places, eight barns, damaging twenty houses and four barns and injuring two people. Some livestock and chickens were killed. The storm was about eight miles long and one mile wide and moved from southwest to northeast. Amount of damage not available.

HAILSTORMS

At 4 p. m. on the 4th a very heavy hailstorm hit at Anderson and vicinity, resulting in damage to property estimated at $5,000. No estimate of crop damage available. The storm came from the southwest and width of path was from one to one and one-half miles. Stones averaged three-fourths of an inch in diameter. The ground was white with the hail, and three hours after the storm patches of hail could still be seen. Most of the damage occurred in the city limits of Anderson.

On the 21st between 7:30 and 8 p. m. heavy hail fell from Union Star across DeKalb County. The storm came from the northwest and the path was two to three miles wide with stones one inch in diameter, some larger. Damage was severe and crop losses were estimated at $50,000. Property loss not available.

DEATHS FROM LIGHTNING

Two persons were killed by lightning on the 3d in Dunklin County, and a boy was killed and another stunned in St. Louis County on the 5th.

ERRATA

May 1942, page 25: Percentage of sunshine at St. Joseph should be 62. Page 26: Total precipitation at Clinton should be 5.17, departure should be +0.34. Greatest precipitat on in 24 hours, and date, at Appleton City, Jefferson City, Lakeside, and Neosho should be 1.57 on 11–12, 3.86 on 26–27, 2.17 on 26–27, and 0.73 on 14–15 respectively. Prevailing wind direction at Harrisonville should be NW. Page 27: Date of maximum temperature at Rolla and West Plains should be 28 and 29† respectively. Mean temperature at Rolla should be 62.7, departure should be − 1.8. Page 28: Precipitation on 17th at Clinton and on 11th at Crocker should be .41 and T. respectively; total precipitation at Clinton should be 5.17. Page 30; Maximum temperature on 14th and minimum on 5th, 13th, 26th and 30th at Clinton should be 66, 47, 59, 67, and 70 respectively; mean maximum and mean minimum should be 75.3 and 53.1 respectively. Minimum temperature at Rolla on 17th should be 55; mean minimum should be 52.2. Minimum temperature on 15th at St. Louis should be 45.

Daily Precipitation for June 1942

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																
Albany	Grand	1.11						.01				1.10	.80	.04				.01	.56	.06	2.98		.26			.90	.02			.01			7.86
Amity[2]	do	2.33	T.				.11		.01		.02	1.04	.27	.06	.05		.01	.02	.10	.23	2.50					5.10	.25	T.		T.			12.10
Bethany	do										.25	.77	.66	T.				.15	1.25	.06	2.58		.17			1.07	.20						7.16
Bowling Green[2]	Mississippi	3.00					.03		.30	.30	.13	.07	.08		.20		.12			1.30	.09	.25					3.03	.12					9.02
Brookfield	Grand					T.	.80	T.			.09	1.45	.32	.03			.04		.85	.79	.43	T.	.28			1.40	5.24						11.72
Brunswick[2]	do	.60	.12			T.	T.	.07	.32	.13	.35	1.37	.15	T.		.30	.17	.04	1.63	.12	.28	.18				2.95	2.40	.43		T.			11.61
Canton, Lock No. 20[2]	Mississippi	.37				.11	.03	.04	.01	.01	.01	.03	.06	.02		.02	.01		.80	.17	.06	T.				.04	1.25						3.04
Centralia[2]	do						.46			.39	.93	.05		.24		.07	.06	1.73	.10	.10	.09	.07				1.66	4.02						9.97
Chillicothe[2] (A)	Grand	.57					.39	.22	.14		.05		1.32	.24				.03	T.	.71	.63	.02	.24			3.11	2.74				T.		10.41
Clifton Hill	Chariton								.11	.16	.04	.32	.08	.07		.05	.02		.64	.32	.33	.25	.13			2.00	7.30						11.82
Columbia [1‡]	Missouri				.03	.01	.46	.26	T.	.28	.07	.10		.29		.07		.01	.73	.19	.11	.52	T.			2.28	1.77						7.18
Conception	do	1.74						.27	.37	.03	.49	.20	.28	.03				T.	.44	.09	5.31		.19		T.	2.24	.19		T.	T.			11.87
Edina[2]	Mississippi							.48	.26		T.			.03	.25		.09	T.		1.38	.21	.09	.03			.17	.83						3.82
Elsberry	do				.04		.48		.76	.38	.24	.44			.90		.10		.61	.10		.57				.84	1.60						7.06
Farber[2]	do	.85				.45			1.80	.21	.52	.08	.54	T.	.35	.02	.03	T.	T.	1.64	.55	.20	.15			T.	2.98	.24					10.11
Fayette	Missouri	.01					.01	.14	.46	.56	.35	.23	.08	.17		.09		.09	.49	.28	.24	.11	.12			3.14	1.78						8.35
Fulton	do							.08	.04	.40	1.73	1.66		.65		.08		T.	1.03	.07	.03	.10	.05			1.20	2.56						9.68
Gallatin[2]	Grand	1.65					.15	.32	T.		.17	.27	.05	.30	T.			.03	.03	.24	1.51	.19	.28			2.74	.58	.29					8.80
Grant City	do	.81						.22	.49		.15	.29	.47						.21	.04	4.27	.05	.04			.61	.02		T.				7.67
Hannibal[3] (A)	Mississippi						.22	.82	.09	T.	.69	.03		.15		.06		T.	.90	1.12	.60	.05				1.50	.53						6.76
Hermann[2]	Missouri	.60							.08	.25	2.40	.60	.52		.15		.10			.90	.21	.33	.05			.71	1.90	.58					9.38
Kahoka[2]	Mississippi							*	.15	T.	.02		.30	.20			.04	.02		.06	*	.68				*	1.31						2.78
Kansas City Airport [1‡]	Missouri					T.	.06	T.	T.	.07	1.48	.36	.21	.03		.06	.04	.16	2.09	.45	.85	.85	T.	.05	.08	.40	.09		.01	.01			7.35
Kansas City University	do					T.	.02	.01	.02	.01	.04	1.44	.60	.08		.09		.52	1.80	2.35	.79	.85			.18	.65	.44			.04			9.94
Kidder[2]	Grand	2.26						.58		T.	.28	.13	.16	.70	.04			.02	.11	.23	.52	.22	.74			3.95	.58			.30			10.82
King City	Missouri	3.24						T.	.04			.96	.50	.50					.28	.21	1.01	T.	.79			3.90	.04			.05			11.52
Kirksville	Mississippi							.48	.02	.15		.18	.51	.11				.04	3.20	.06	.34		.02			1.44	.12						6.67
LaBelle[2]	do	.08							.88				.11	.12			.04		1.28		.25		.08			.08	1.30						4.22
Lawson	Missouri	1.05				T		.19		.06	.02	2.25	.38					.14	.62	.76	1.11					2.72	.87			.02			10.19
Linneus[2]	Grand	.15					T.	.64			.11		.33	.57	T.		T.			.79	.43	.20	.94			.72	4.66	.15					9.69
Louisiana[2] (A)	Mississippi	1.30					.05	.08	.20	.06	.02	.02	.04		.50		.05			2.20	.20	.50					2.30	.10					7.62
Lucerne[2]	Grand	.47						.04			1.02	.36	.67	.30	.02					.54	1.32	.12	.05			1.06	2.45	.64					9.06
Macon[2]	Chariton	.12						1.13	.23		.27	.28	.10	.30	.04			.03		1.58	.04	.28	.07			.34	3.40	.04					8.25
Madison[2]	Mississippi																															7.75
Maryville	Missouri	.58						.46	.92	.57	.08	T.	.84	.03					.38	.10	3.40		.18			2.17	T.		.28	.01			10.03
Memphis[2]	Mississippi							.42	1.47	.27		.06	.09	.11	T.		.06	.03		.09	.19	.15	T			.11	1.00						4.05
Mexico[2]	do	.28						.60	.10	.55	.54	1.25	.50	.20	.30		.08	.05		1.95	.25	.40	.10			.55	3.75	.55					12.00
Milan[2]	Grand	.54					.06	.98			.33	.16	.81	.65				.04		1.76	.65	.15				1.10	2.12	.14					9.49
Moberly	Mississippi																															
Monroe City	do	.66			.04		.64		.19	.48	.06		.19		.11				1.73	.97	.64	.04				1.14	2.68						9.57
New Florence[4]	Missouri						.02	.12		.25	.84	.19		.57		.06	.02		1.23	1.12	.19	.04	.01			.95	1.75						7.36
Oregon	do	.56				T.		.70	.38					.36	.03			.11		.22	1.35		.22		.23	1.98					.12		6.26
Palmyra[2]	Mississippi	1.05						.18	1.12		T.	.14	.12	.06	.07			.02		1.60	.15		.20				2.96						7.67
Paris[2]	do	.40						.15	.11	.05	.55	.34	.15	T.	.20		.09		.75	1.18	.12	.27	.03			.02	3.77	.30		T.			7.73
Perry	do							.30	.75	.40	.34	.30		.20					.25	.25	.55	.25	.30			1.00	2.50						7.89
Philadelphia[2]	do							T.			.01	.09	.14	.74		.10	.05	.10	T.	.87	.04	.15	.08			.09	2.79						5.25
St. Charles[2]	Missouri	.12					.07	.44	.05	.07	1.30	.65	.65	.20	.62		.27	T.				.23	.24				2.80	.09					7.80
St. Joseph [1‡]	do						.03		.38	.17	.38	.73	.23	.02		T.	.02		.09	.05	.60	.59		T.	.05	1.90	.31		.06			5.61
Saverton, Lock No. 22[2]	Mississippi	.84						1.27	T.	.07	.07		.02	.07	.08		.03	T.		2.17	.23	.08				.01	1.95	.02					6.91
Shelbina	do	.05					T.	.42	.08	.40	.17	.75		.09						.30	1.67	.35	.08			1.24	2.42						8.02
Shelbyville[2]	do	1.34						1.02			.11	.15	1.12				.15			1.28	.37	.32					2.10						7.96
Steffenville	do	.23					.56	.11	.04	.05	.01	T.	.26	.05		.03	.03	.01	.41	.22	.15		.08			1.18	.74						4.16
Tarkio	Missouri							.15	.70	.49		.15	.26	.23					.78		1.17	.16			.11	5.75			.20				10.15
Trenton	Grand	.65				.04	.34	T.		.30	*	.48	.55			.08			.41	.06	.90		.07			1.03	1.71						6.62
Troy[2]	Mississippi	.20							T.	.18	.32	.05	.50		.75		.08			.68		.70	.01				2.30	.20					5.97
Unionville[2]	Chariton	1.20						.01			.48	.40	.03	.41	.01					.05	.32	.07	.02			.54	.70						4.24
Warrenton	Mississippi					.51		T.	.21	.83	.41	.28	.04	.44		.10	.05	.01	1.10		.15	.17				.97	1.89						7.16
Keokuk, Iowa[3]	do	.03				T.	.04	.02	T.	T.	.19	.61	.35	.03		.01			.06	.06	.70	T.				1.27							3.28
Southwestern Division																																
Altona[2]	Osage							.85	.18	.16	.38	1.00	.73		.18		.29	.29	.24	1.63	1.00	.24	.88				.24	.23	.14					8.66
Anderson (near)	Neosho					.05	.30	.44		T.	.03	.75	1.03	.52		.03	1.07	.03	.84	.36			.92			.38							6.75
Appleton City	Osage							.70	2.08	.85	.28	1.26	.46	.05	.23		.44		1.28	.38	.62	1.20	.38			.20	.05	.08					10.54
Bolivar	do		T.		T.			.43	.09	.01	.60	.31	.43	.28	.52		.30		2.90	.50	.15	.01	1.21			.63	.03	T.					8.40
Boonville[2] (A)	Missouri	.12							1.00	1.75	.05	.42	.17	.32	.37	.05	.17	.02	.15		.42		.40	.16			1.20	1.70	.32					8.79
Buffalo[2]	Osage							.19	.05	.34	.76	.27	1.03		.67	.02	.62	.24	.15	5.03	.82		1.02	.15			.19	.47	.01					11.43
Butler[2]	do							.13	2.56	.16	.05	.50	.42	.24	1.01		.70	.14	1.40	.99	1.00	.16	.84			.03	.31	.11					10.78
Caplinger Mills[2]	do		.03			T.	T.				.96	.32	.20		.55		.56	.49		1.90	.59	.37	2.95			.08	.33	T.	T.				9.33
Carthage	Neosho					T.	T.	.70	.10	.15	1.47		.16	.21		.58		.65	.95	.17		1.22			.95								7.31
Clinton[4]	Osage					.03	.73	.62	.02	T.	.72	.22	.03	.05		.50		1.96	.73	.85	.43	.33		.04	.05	.12	.15						7.58
Concordia[3]	Missouri																															
Crocker	Osage	.14					.09	.75		1.12	.26	.80		2.65		.36		.37	.45	T.	.02	.05			.02	2.20	.84						10.12
Eldon[2]	Missouri		1.37				.01	.06			.40	.03	.18	.26			.16	*	*	*		*	*			*		*		5.26			7.73
Eldorado Springs	Osage	.05				.12	.07	.10	.18	.22	1.51	.15	.15	.40		.94		.97	.49	.47	.25	3.60			.67	.03	T.					10.37
Fort Leonard Wood	Gasconade		.25				1.72	.04		.18	.30	.56	.31	1.72		.30	.20	.43	.61		.42					.38	.41						7.83
Galena[2]	White									.20	.15	.10	.35	.78	.02		.70		1.42	.55		.12			.10	.25				.10			4.84
Hailey	do					T.	.28		.28	.02	.32	.28	.29	.99		.51		1.06	.40	T.		.54			.28								5.25
Harrisonville[2]	Osage						.07	.46	.88	.07	.14	.35	.14	.09		.17	.15	.34	.91	1.30	.25	.51			.09	.11	.35	.31					6.69
Higginsville[2]	Missouri																															
Jefferson City[2]	do		.03					.39	.54	.05	.62	.11	1.65	.20	.11		.10	.10	.03	.26		.40	.56				3.63	.45					9.23
Joplin[3]	Neosho				.46	.35	T.		.25	.02	.97			.34		.58		.45	.96	.32		1.56			.60	T.	T					6.86
Lakeside[2]	Osage	.03	.02					.03	.03	1.65	.01	.90	.20	.43	.38	T.	T.	.11	.10	.09	.36		.25	.01			.12	1.80	.72					7.24
Lamar[2]	Neosho					.32	T.	.40	T.	.90	.30	1.20		.68		.30	.35		1.70	.60		1.47	.15		.25	.90							9 52
Lebanon[2]	Osage						.20	.05	.05	.50	.24	1.30	.40	1.01	.10		.32	2.00	.96	.40					.03		.10						7.66
Lexington[2]	Missouri	.06					.37	.05	.63	.20	.15	.07	.07	.17	.06		.05	.42	1.65	2.00	.49	.70	1.64			1.95	.48	.65					11 86
Lockwood	Osage		.76		.47	.10	1.45	T.	.11	.14	.20	.04	.18	.40		.48		1.71	.62	.20	T.	1.24			1.10	T.	T.						9.20
Manes[2]	Gasconade						.79	.98	.07	.25	.62	.27	1.37	1.16	.21		.38	T.	2.05	.55					.03		.35						9.08
Marshall	Missouri							.27	2.08		.51	.28	.15	.04		.35		.08	.64	.37	.57	.30	.30			3.16	1.94						11.04
Mountain Grove	White						.04	.87		1.24	.35	1.03	.38	.55		.35	.02	1.41	.15	.02					.04					.45			6.90
Mount Vernon	Neosho				.25			.40		.30	.15	.45	.05	.45		.80		1.40	.70			.75	T.		.68	T.							6 38
Neosho	do				.06	.12	.09	.10	.44	.43	.92	.02		.86		1.01		.89	.88	.12		1.47			.46						T.		7 87
Nevada	Osage				T.	.05		.20	.10	1.15	1.32	.08	.02	.73		.99		1.07	.34	.53	.20	3.97			1.63	.02							12.40
Osceola[2]	do	.02				T.	.12	.19	.25			.20	.45	.47	.51		.53		2.32	.45	.33	.18	.61			.05	.30		.50					7.48
Ozark Beach[2]	White							.23		.10	.07	.71	.25	.69			.18		.80	.03					.03	.05							3.14
Pleasant Hill[2]	Osage						.70	.17	.10		.31	.67	.03	.22	.04	.03	.23	1.82	1.02	1.08	.28	.48				.18	.68	1.18					9.22
Roby	Gasconade	.02		.14			.63		T.	.06	.08	1.33	.22	.81		.42	.02	.85	.27							T.	.20			.30			5.38
St. Thomas (near)[2]	Osage		1.68					.17	.84	.31	.38	.15	.47	.25				.23	.08	.53		.35	.24				4.04	.60					10.32
Sedalia	Missouri						.04	.05		.06		.19	.19	.05		.40		.72	.71	.50	.29	.49	.29			1.17	1.32						6.47
Seligman	Neosho	.14			.05	.48	.79	.03	.13	.41	.23	.21	.28	.85		.44		.77	1.09	.04		.48	T.		.31					.40			7.16
Seymour (near)	White						.04	.31		1.34	.39	.08	.11	1.10		.65		3.26	.24	.05					.33								7.90
Springfield [1‡]	do					.05	.01	.02	.53	.01	.48	.95	.10	.24	.78		.71	T.	1.07	.40	.06	.01	.15	T.		.44	T.	T.						6.01

Continued on next page

Daily Precipitation for June 1942—Continued from preceding page

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																	
Stover[2]	Missouri												1.20					1.12	1.07	.37		.87	.62			.29	1.60	.62					7.76
Sweet Springs	do					.01	1.59	.98	.06	.14	.12	.42	.03	.02		.36		.42	.37	.53	.36	.21	2.75			1.28	1.12						10.77
Warrensburg	do	T.				.13	1.19	.11	.02		.04	1.03	.06			.51	.03	2.25	.78	.82	.27	.62				.75	2.85						11.49
Warsaw (A)	Osage	.42				.52	.16		T.	.07	.58			.35		.33		5.30	.90	.31		1.32			.06	.33	1.46						12.11
Wasola	White					.15	.35	.44	.16	.75	T.	.08	.41	.71		.19		1.02	.05											.17			4.48
Waverly[2]	Missouri	.30						1.58	.35	.55	.36	.95	.26	.15	.05		.20	.22		1.13	.40	.55	1.35			3.00	.47	.83					12.70
Southeastern Division																																	
Advance[4]	St. Francis				.03	.06	.01	.18	T.	.07	.14	.07	.56	1.11		.38	T.	T.				1.11					.03			.09			3.94
Alton (near)	Black					.42	.22			.16	.32	.67	.42	.23		.52	.08	.37	.02											.16			3.59
Annapolis	St. Francis				.10	.25	.35	.03		.05	.75	.90	.07	1.29		.60	.15	.40	.10			.09					.10						5.23
Arcadia[2]	do	.17				T.	.23	.08	.03	.37	.35	1.63	.28	1.44			.82	T.	.20	.03							.79	.97					7.39
Belleview	Meramec	.96						1.01	.06	.10	.46	.38	.96	2.06		.70	.15									.15	.45						7.44
Birch Tree(near)	Black					.05	.76	.46		.29	.30	.66	.22	.32		.50		1.29	.14														4.99
Bragg City	St. Francis		T.	.17		T.	T.		.95	T.	1.89	.29	.05	.87		.82						*	.40				T.					5.44
Campbell	do			.02	.20	.10			.39	.08	1.56	.67	.09	.85		.64	T.	.02		.01		.04					.21			T.		4.88
Cape Girardeau[2]	Mississippi						.02	.52		.44	.27	1.94	1.01	.12	1.20		.39	T.					.31										6.22
Caruthersville[2]	do					.70	T.				.30	.75	.05	.75	1.25		.65																4.45
Centerville[2]	Black						.75	.05	.15	.05	.85	.35	.35	.58	.57		.80	T.	.43	.23							.06	.57			.40		6.19
Crystal City	Mississippi	.10					.84			.04	.06	.64		2.11		.33	.10		.18			.44				1.03	1.81			.33			8.01
Deering[2]	St. Francis				T				.87		1.30	.25	.16	1.16	.03		.75						.05						T.				4.57
Dexter[2]	do		.03			.08		.83	1.08	.42	.52	.32	.04	.20	.70		.50		.08	.03			.05								T		4.88
Doniphan	Black				T.	T.	.13	.28	.31	.28	.41	.10	.31	.62		.63	.10	.30	.03			.07	.09				.16				.41		4.23
Farmington	St. Francis	.54				.01	.35	.38	.25		.03	.18	T.	1.28		.57	.13		.09			.42				1.02	.42			.10			5.77
Fisk[2]	do					.45	.89	1.11			.74	.24	.39	T.	.31		.47		.17			.11	T.				T.				1.13		6.01
Fredericktown[2]	do	.18					.40	.52	1.05		.14	.42	1.05	.10	.82		.58			.07			.30				.41	.18			.18		6.40
Gerald[2]	Meramec	.25	.08				.68	.90	.48	1.48	.44	.97	1.33	1.00		.36	.03	T.	.16	.05	.05	.65				2.75	1.48						13.14
Goodland	Black	.35					.40			.35	1.01	.65	.48			.43		.45	.21			.09				.95	.55						5.92
Greenville	St. Francis						.21			1.62	.06	.08	.95			.73	.11					.41									.05		4.22
Jackson	Mississippi						1.06	.26		.13	.54	.69	1.27			.35	.14		.03			1.25				.02	.26						6.00
Jefferson Barracks	do	.21	.15				1.70	.01	.70	.60	.25	T.	.98		1.00		.10	.40								.89	1.87	.01					8.87
Jerome[2]	Gasconade		.55				.12	1.11	1.16	.20	1.83	.16	1.03	2.05	.60		.56	.55	.78	.38		.52					1.97	.93						14.50
Koshkonong	Black					.02			.06	.97	1.73	.12	.48	.32		.48	.15	.45	.01			.04					.52						5.35
Leeper[2]	do					.30	.22	.50	.15	.20	1.50	.30	.45		.55	.70		.14															5.01
Licking (near)	Gasconade	.05				.10	1.07	.02		.20	1.30	1.22	.50	1.61		.36	.05	.95	.35							.21	.15			.84			9.01
Marble Hill	Mississippi					T.		.10			.50	.12	.55	1.03		.54	.12					.63					.19						3.78
Meramec Park[2]	Meramec	.73							.62		1.06	.73	.86	.32	.98		1.32	.12		.31		1.36	1.67			3.71	.72						14.51
Morehouse	Missi-sippi	.31					.36	T.	.73	.15	.05	.18	.95	.77		.32	.16					.30					.03			.25			4.56
New Madrid[2]	do									.20	.12	.62	.71	.21	.86		.54						.42					.08					3.76
Owensville[2]	Gasconade		.72				.47	1.65			1.00	.45		1.20	.30					.30		.10	.74	.33			3.05						10.31
Pacific[2]	Meramec	1.97						1.10	.44	.70	.11	.80	T.	2.40		.40				.42			.90				2.70	.42						12.36
Parma[2]	St. Francis					.52	.28	.18	.12	.18	.10	.12	.08	1.03	.30		.65						.05					.17			1.78			5.56
Perryville[2]	Mississippi						.12	.15	1.85	.55	.15	.25	.16		.93		.53			.13			.33			.59	.41	.32			1.82			8.29
Poplar Bluff[2] (A)	Black					T.	.75	.52	T.	T.	.52	.75	.19				.60		.20	T.			.09					.34			.20			4.16
Richwoods[2]	Meramec	1.06	.40						.55					1.50		.45							.80			1.70	1.60	.60					8.66
Rolla[4]	do	.46					.09	T.	.01	.58	.57	1.25	.02	1.08		.47	T.	.17	.31		1.56	.03				2.57	1.07						10.24
St. Louis:																																	
City Office[1†]	Mississippi	T.		T.		.01	.43	.02	09	1.45	.12	.23	.11	.65		.33	.03	T.	.51		.04	.45				.86	1.91			T.			7.24
Airport[4†]	Missouri					.37	1.01	T.	.01	.80	.28	.51	.01	1.08		.24	.02	T.	.67		.13	.39				.80	2.00						8.32
St. Louis Univ.[3†]	Mississippi					.05	.24	.10	.02	1.09	.23	.23	T.	.98		.30	.03		.42		.27	.24				.93	2.06						7.19
Washington Univ.[2†]	do	.87					.07	.35	1.76	.03	1.31	.50	.70	.02	.81		.28			.47		.27	.43				2.38	.05						10.30
Salem	Meramec					.25	.37	1.10	.15	.51	.58	.91	1.78	.32		.33		.40	.28		.06					.40	.36			.46			8.26
Sikeston[2]	Mississippi		.12	.21	.05	.05			.11	.05	.05	.41	.41	.10	.63		.40						.03	.50				.03					3.15
Union	Meramec	.39						.70	1.06	1.44	.45	.67	.30	.59		.45			.55			.31	.09			1.27	1.31						9.58
Valley Park[2]	do	.62					T.	.83	.23	.28	.30	.25	.65	T.			1.06	.02		.35		.24	.38				2.30	.42						7.93
Van Buren	Black					.15	.13	.83	.85	.08	.91	.72	.08	.35		.49	.25	.48	.13								.26						5.71
Wappapello Dam[2]	St. Francis					.20	.56	.17	.08		.76	.26	.01	.52	.07		.62		.03				.17					T.			.02		3.47
Weingarten[2]	Mississippi	.30					.10	.26				.42	.63	.12	.64		.63		.03	.07			.14				1.02	.25			.40		5.01
West Plains[4]	Black					.11	T.	2.83	.44	.24	.22	.62	.18	.27		.53	.01	.47	.01			.47			.05		.12			T.			6.57
Williamsville[2]	do						.43	.49		.03	.73	.55	.12	.01	.58	.02	.76		.16				1.87					.05			.04		5.84
Willow Sprgs.(near)	White					.12		.06	.25	.53	.19	.44	.05	.22		*	.39	1.00	.05			.05			.04					T.	T.		3.39
Zalma(near)	Mississippi				T.			.63		.25	1.05	.39	.15	.86		.52	.05	T.				1.47					.02			T.	.02		5.41
Cairo, Ill.[1†]	do				.01	.05	.68	T.	.10	.03	.07	.44	.15	1.16		.36	.02	T.	T.			.41					.03	T.						3.51

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for June 1942
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.245	.206	.234	.252	.212	.214	.274	.124	.148	.171	.057	.099	.162	.139	.185	.037	.103	.023	.126	.187	.104	.133	.237	.248	.141	.242	.122	.207	.225	.301	....	5.158
	Mean temperature	80	78	79	82	79	79	78	76	77	76	75	78	61	58	58	64	67	73	77	77	76	74	68	68	70	72	78	81	80	78	..	73.9
	Wind movement	39	21	15	12	12	14	16	18	31	22	12	38	44	63	38	24	16	27	26	23	49	29	36	32	28	63	37	12	28	30	..	855
St. Louis (Washington University)	Evaporation	.203	.222	.243	.211	.217	.196	.218	....	.109	.176	.085	.106	.195	.097	.209	.017	.042	.075	.050	.213	.189	.072	.268	.262	.214	.171	.036	.194	.241	.252	....	4.948
	Mean temperature	78	80	80	82	82	81	76	76	78	76	75	78	62	58	56	62	65	70	76	80	73	73	68	68	64	70	76	82	82	79	..	73.6
	Wind movement	9	7	8	5	5	7	7	6	10	11	8	10	31	45	15	7	4	8	5	13	23	9	30	26	7	28	10	7	5	7	..	373

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for June 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	91	93	94	95	92	92	87	75	87	82	83	80	62	70	65	69	76	84	85	82	83	78	78	76	72	77	91	90	92	85	..	82.2
	Minimum	64	66	66	69	70	71	70	69	67	69	70	67	56	47	48	54	55	61	66	67	65	64	57	58	61	61	65	69	74	69	..	63.8
Chillicothe §§	Maximum	89	89	91	93	93	87	84	73	86	81	81	76	64	68	63	69	76	84	85	80	80	75	78	76	72	78	89	90	88	83	..	80.7
	Minimum	62	67	69	70	69	70	69	66	66	67	68	67	52	44	53	50	55	51	66	64	63	60	53	59	60	61	63	73	71	66	..	62.5
Columbia	Maximum	90	92	94	94	91	90	82	78	89	82	80	84	65	69	64	72	74	85	86	87	82	78	76	78	75	77	91	91	92	86	..	82.5
	Minimum	66	66	72	73	73	71	68	69	70	70	68	64	47	45	54	53	61	65	67	70	67	62	56	62	59	65	69	73	74	68	..	64.9
Fayette	Maximum	88	90	90	93	90	89	81	76	87	82	83	81	70	68	65	70	74	83	84	84	81	76	76	76	76	77	90	89	90	84	..	81.4
	Minimum	61	64	66	67	68	70	68	66	68	67	68	60	51	44	50	52	58	64	64	64	65	61	52	60	59	60	66	71	73	66	..	62.4
Grant City	Maximum	86	89	89	92	92	87	85	81	85	82	79	77	68	70	68	69	78	82	86	80	76	74	75	75	75	80	89	88	84	83	..	80.8
	Minimum	61	67	67	67	67	65	66	64	67	66	69	54	46	40	53	47	58	64	65	60	62	59	48	55	62	63	68	74	65	60	..	61.0
Hannibal	Maximum	88	90	91	94	91	88	83	72	85	81	85	83	63	69	61	68	74	72	85	81	79	76	75	78	67	77	92	90	90	85	..	80.4
	Minimum	63	66	70	70	72	68	67	64	67	68	69	61	50	44	51	53	56	62	64	66	66	60	54	57	57	59	65	72	72	67	..	62.7
Kansas City Airport	Maximum	91	93	94	95	93	87	82	75	88	82	87	76	66	67	64	67	81	84	85	83	80	76	79	74	80	86	91	92	89	85	..	82.4
	Minimum	67	72	74	74	69	69	70	69	71	70	69	60	51	48	55	56	62	65	64	64	66	65	60	61	65	67	75	76	73	70	..	65.9
Kirksville	Maximum	92	93	95	97	95	94	86	76	86	84	89	79	70	71	68	68	83	84	90	87	82	78	76	82	78	82	94	94	91	85	..	84.3
	Minimum	63	65	69	69	69	67	64	62	67	67	69	55	49	42	48	50	55	65	65	66	55	60	51	54	58	60	67	71	69	65	..	61.5
Lawson	Maximum	91	92	93	95	95	92	81	73	90	96	83	74	77	71	68	72	79	85	86	82	82	77	80	79	78	85	91	92	82	84	..	83.5
	Minimum	61	67	69	69	68	69	67	66	67	67	66	53	48	41	51	51	60	64	63	61	64	60	50	56	61	61	66	73	68	64	..	61.7
Louisiana §§	Maximum	91	90	93	94	91	88	83	73	84	82	84	84	63	70	60	69	74	79	87	84	82	78	71	78	67	76	90	91	92	84	..	81.1
	Minimum	65	63	62	68	68	68	70	67	67	68	70	70	62	44	45	53	55	60	64	66	67	64	54	53	53	59	64	68	72	65	..	62.5
Macon §§	Maximum	90	90	92	98	92	88	84	72	86	80	80	81	62	70	59	67	76	84	91	84	80	80	80	77	71	78	92	91	93	87	..	81.8
	Minimum	63	66	68	73	69	71	68	65	64	68	69	67	54	43	50	52	54	59	64	65	66	65	60	61	53	56	60	59	64	69	73	66	..	62.6
Maryville	Maximum	85	89	90	92	91	86	84	80	80	78	84	80	70	64	65	68	77	83	83	83	75	73	76	74	73	78	88	88	84	81	..	80.1
	Minimum	62	66	65	66	67	67	65	65	66	66	68	55	45	45	54	47	59	65	63	60	61	57	50	57	61	63	68	74	65	62	..	61.1
Mexico §§	Maximum	92	93	95	95	95	90	83	74	87	80	85	86	62	70	62	71	75	85	89	87	82	83	78	80	79	76	95	94	93	87	..	83.4
	Minimum	63	65	69	70	69	69	69	67	66	68	68	66	59	43	50	54	55	62	63	67	66	61	54	58	60	56	63	69	73	67	..	63.0
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	89	91	92	95	95	89	87	82	85	82	87	82	71	70	68	71	83	88	90	84	80	77	80	75	77	85	92	92	85	85	..	83.6
	Minimum	63	69	69	70	65	69	66	66	66	66	68	55	47	46	54	48	60	64	62	59	63	57	52	58	62	65	69	74	65	67	..	62.1
St. Charles §§	Maximum	92	93	93	95	90	89	84	83	84	80	80	86	65	70	61	72	75	82	90	90	81	81	78	80	68	78	92	94	94	86	..	82.9
	Minimum	66	68	70	71	72	72	69	70	70	71	70	70	65	48	54	55	56	61	64	74	68	68	59	58	64	60	63	73	74	71	..	65.8
St. Joseph	Maximum	89	92	93	94	94	88	83	74	85	83	85	75	65	69	66	69	83	86	88	80	81	76	78	74	76	85	90	92	85	83	..	82 0
	Minimum	64	72	73	72	70	70	69	68	67	68	69	54	50	46	53	50	62	66	65	61	63	61	56	60	63	64	71	72	71	66	..	63.9
Trenton	Maximum	90	91	93	95	91	91	85	80	85	83	80	75	72	69	68	68	78	87	88	81	79	73	80	78	76	80	90	93	88	85	..	82.4
	Minimum	61	66	67	68	69	70	67	66	68	67	67	55	51	44	53	48	59	64	68	64	66	60	51	58	61	61	68	73	70	66	..	62.5
Unionville §§	Maximum	87	89	90	95	92	92	87	73	85	81	84	75	64	69	61	69	80	84	90	80	82	77	77	78	69	81	90	81	90	85	..	81.3
	Minimum	60	62	66	68	67	65	64	62	61	65	66	65	47	40	43	47	52	57	63	64	62	58	48	50	56	58	60	67	60	67	..	59.0
Warrenton	Maximum	90	92	94	95	92	91	85	78	85	82	80	85	82	68	67	70	75	82	87	87	82	78	75	79	78	76	94	92	92	85	..	83.3
	Minimum	65	65	69	69	69	70	67	68	69	68	68	68	54	45	51	53	55	59	68	67	66	65	55	58	58	63	65	71	71	67	..	63.5
Keokuk, Iowa	Maximum	87	89	92	95	93	91	85	71	87	82	85	82	64	67	62	70	78	78	87	80	80	76	74	80	66	78	91	91	92	84	..	81.2
	Minimum	66	70	75	72	72	71	69	64	69	70	70	63	51	47	52	55	60	66	70	69	68	63	55	58	59	59	69	75	74	68	..	65.0
Southwestern Division																																	
Clinton	Maximum	92	92	95	95	92	92	85	85	87	84	84	83	67	71	65	69	79	86	86	87	86	79	78	75	80	85	93	93	90	89	..	84.1
	Minimum	67	66	69	69	68	67	69	67	66	69	69	63	55	44	54	55	60	66	64	67	65	62	58	58	64	65	70	71	70	66	..	64.1
Eldon §§	Maximum	91	88	92	92	90	89	86	81	85	83	84	86	82	69	61	..	..	..	..	..	..	..	..	..	..	..	..	..	92	90	86	..	[1]84.8
	Minimum	68	63	63	70	68	68	69	68	66	67	68	67	59	44	45	54	..	..	..	..	..	..	..	..	..	..	..	..	..	71	65	..	[1]63.5
Harrisonville §§	Maximum	92	92	93	92	90	88	84	80	83	83	85	77	65	67	64	66	77	83	81	84	80	78	77	73	78	82	88	90	84	89	..	81.5
	Minimum	64	66	67	68	67	66	66	66	65	68	67	67	55	42	51	52	56	64	62	61	61	60	55	56	58	63	62	66	70	65	..	61.9
Jefferson City §§	Maximum	90	89	91	93	91	91	84	81	87	80	81	85	63	68	64	73	75	84	85	86	84	80	76	76	74	74	91	90	90	85	..	82.0
	Minimum	64	61	66	67	66	67	70	65	66	64	66	64	58	42	50	51	54	58	62	64	65	64	54	58	58	56	62	67	68	65	..	61.4
Joplin	Maximum	88	90	92	90	84	88	86	85	85	78	85	81	73	72	65	74	76	86	88	88	78	77	77	71	87	88	89	89	89	86	..	82.8
	Minimum	72	70	72	72	71	71	72	70	70	72	70	71	56	50	57	56	66	68	67	72	65	67	64	62	68	77	76	76	76	75	..	68.4
Lamar §§	Maximum	90	91	93	96	86	90	87	86	85	81	84	84	66	70	60	72	75	85	86	88	78	77	77	72	88	87	90	90	91	87	..	83.1
	Minimum	63	62	62	62	61	61	63	64	63	63	64	64	55	42	43	50	51	60	60	60	60	60	55	53	53	62	68	69	67	63	..	59.4
Lebanon §§	Maximum	89	91	92	92	91	85	82	84	83	82	82	85	63	71	55	66	72	83	89	87	83	75	75	75	75	85	91	90	90	85	..	81.6
	Minimum	65	61	63	65	63	63	63	64	63	63	64	65	58	43	48	51	52	60	61	62	63	61	57	54	56	59	63	66	70	64	..	60.3
Lexington §§	Maximum	92	93	94	96	93	93	86	76	89	84	86	76	66	72	68	71	80	85	85	85	85	79	80	79	79	84	92	95	90	87	..	83.9
	Minimum	64	66	70	71	70	69	69	69	68	69	70	68	56	47	51	51	56	62	66	64	63	62	56	59	62	63	64	70	72	69	..	64.0
Marshall	Maximum	88	89	91	92	91	85	77	80	89	85	89	86	82	71	72	73	83	86	86	92	80	83	85	81	85	81	94	91	95	87	..	85.0
	Minimum	65	67	68	71	70	71	67	60	67	68	70	59	51	50	45	59	60	66	65	63	61	61	55	60	52	63	59	73	72	68	..	62.9
Mountain Grove	Maximum	85	88	92	90	86	85	82	84	82	79	81	86	72	69	62	67	68	78	87	86	82	78	77	73	80	82	88	90	90	84	..	81.1
	Minimum	68	63	67	66	65	65	65	64	66	66	63	58	45	50	52	57	58	64	67	61	64	57	55	59	67	66	68	67	67	67	..	62.3
Neosho	Maximum	90	92	93	93	84	88	89	85	82	86	85	85	85	81	74	74	78	87	89	92	88	79	78	78	87	89	90	94	91	90	..	85.9
	Minimum	65	63	62	63	62	63	65	64	65	68	68	69	62	54	57	54	63	63	64	72	65	63	58	59	65	74	70	74	68	68	..	64.3
Nevada	Maximum	91	93	95	96	92	89	86	86	84	78	83	83	75	73	64	70	77	85	88	88	82	80	80	76	87	88	91	90	89	88	..	84.2
	Minimum	65	65	66	66	65	67	66	67	66	67	67	69	55	45	54	52	63	64	63	62	62	65	58	56	65	72	70	74	71	65	..	63.7
Sedalia	Maximum	92	94	94	95	94	90	93	80	89	84	83	81	74	69	69	71	77	85	86	85	82	82	79	77	78	84	92	92	90	89	..	84.3
	Minimum	64	67	69	70	68	67	64	68	67	68	67	64	52	40	52	51	60	65	64	62	65	60	53	57	61	62	67	71	72	65	..	62.7
Springfield	Maximum	88	89	90	90	88	89	84	84	81	80	82	84	70	69	59	70	71	81	88	86	80	75	75	72	85	83	89	88	88	83	..	81.4
	Minimum	68	64	67	67	65	66	66	66	67	68	68	65	48	44	51	54	61	62	63	64	64	60	59	57	64	70	70	69	71	65	..	63.1
Warrensburg	Maximum	92	93	93	95	93	91	83	75	88	84	81	80	76	72	70	72	78	86	83	83	84	78	80	78	78	82	88	93	90	85	..	83.5
	Minimum	65	67	69	69	68	67	68	67	67	68	68	62	63	44	52	51	60	65	64	62	65	61	54	57	62	62	68	72	71	65	..	63.4
Southeastern Division																																	
Arcadia §§	Maximum	91	93	94	94	91	90	89	89	86	80	81	90	70	74	60	74	70	80	91	87	85	85	82	81	73	77	93	93	95	91	..	84.3
	Minimum	61	60	61	63	61	64	65	67	65	67	68	68	65	47	46	51	52	54	64	69	65	60	57	50	53	58	60	64	65	64	..	60.5
Birch Tree (near)	Maximum	87	92	92	92	88	88	84	88	84	80	87	90	80	70	68	..	..	..	..	..	..	..	..	..	79	80	90	92	93	87	..	[1]85.3
	Minimum	62	62	64	63	60	63	56	60	66	67	64	66	63	45	51	52	54	63	66	67	66	64	56	52	54	59	62	66	66	64	..	60.8
Caruthersville §§	Maximum	93	97	95	94	91	91	90	93	86	85	88	90	78	72	76	75	79	84	92	90	87	85	85	80	87	90	94	95	94	92	..	87.6
	Minimum	65	67	70	70	70	72	69	70	71	70	70	70	68	55	55	55	57	63	65	72	72	70	65	60	60	63	67	72	72	70	..	66.5
Crystal City	Maximum	88	93	93	94	91	91	86	88	88	85	89	88	74	70	63	71	71	71	90	88	81	80	78	80	78	77	91	92	94	90	..	83.5
	Minimum	65	62	63	64	65	69	66	68	68	68	70	69	57	46	49	51	54	57	67	68	67	64	58	54	59	62	63	67	67	65	..	62.4
Doniphan	Maximum	92	93	94	94	92	94	90	91	87	84	88	93	81	73	65	75	68	82	92	93	88	87	80	82	87	85	95	95	96	91	..	86.9
	Minimum	62	60	63	64	66	67	65	66	68	69	71	68	63	50	51	57	55	57	66	67	70	66	58	52	55	69	64	65	67	66	..	62.9
Farmington	Maximum	91	91	93	92	92	90	87	86	88	84	78	88	73	69	64	70	72	84	88	89	85	81	77	81	73	77	94	92	95	88	..	83.7
	Minimum	68	70	71	69	68	69	68	70	69	70	70	70	60	49	53	54	55	60	71	71	70	71	62	64	59	63	68	75	71	68	..	65.9
Jackson	Maximum	93	95	96	95	94	93	91	86	89	87	83	90	75	72	72	74	73	85	92	90	87	83	82	82	82	77	94	98	97	94	..	86.7
	Minimum	61	63	68	70	68	70	68	70	70	71	70	62	53	50	58	55	59	72	73	70	69	61	56	61	65	66	70	73	70	70	..	65.4
Poplar Bluff	Maximum	94	95	96	96	92	91	90	93	88	85	85	95	77	72	62	77	69	85	92	92	90	87	81	82	88	80	94	96	97	92	..	87.1
	Minimum	64	68	68	69	69	68	68	66	69	70	70	67	65	52	54	58	57	58	70	70	70	67	61	56	57	72	68	67	71	67	..	65.2
Rolla	Maximum	88	87	90	89	88	86	84	84	84	79	79	85	69	67	55	68	71	83	88	86	80	76	74	76	73	80	90	90	89	86	..	80.8
	Minimum	64	63	68	70	69	68	66	66	66	67	67	68	48	45	51	52	56	60	68	64	64	60	56	57	57	62	66	70	72	66	..	62.5
St. Louis	Maximum	91	91	91	94	92	90	84	86	85	82	77	88	70	69	62	68	73	80	88	89	79	79	75	79	67	79	93	93	93	88	..	82.5
	Minimum	69	73	76	75	77	72	71	70	67	70	71	70	55	51	54	56	61	62	72	72	69	67	62	65	60	62	68	74	76	74	..	67.4
Salem	Maximum	90	92	93	91	90	88	84	87	85	82	81	86	73	72	68	71	70	85	90	89	84	79	76	77	75	82	92	92	93	86	..	83.4
	Minimum	65	60	63	64	65	67	64	66	65	67	67	65	57	45	51	52	55	57	69	69	65	64	57	56	58	63	66	68	70	67	..	62.2
Sikeston §§	Maximum	97	96	97	96	93	96	93	91	90	89	87	81	76	74	65	78	75	86	92	90	89	86	80	84	87	97	97	97	92	..	87.8
	Minimum	65	65	66	67	68	69	68	69	72	70	72	69	65	52	51	57	58	62	65	71	73	68	58	54	58	65	66	69	73	71	..	65.2
Union	Maximum	91	92	93	93	92	91	85	83	87	84	80	89	82	71	67	72	75	84	90	89	82	82	79	80	77	76	93	93	94	89	..	84.5
	Minimum	62	64	65	67	67	68	67	68	68	69	70	68	58	45	50	54	55	57	68	69	67	68	57	56	58	63	62	67	69	67	..	63.1
West Plains	Maximum	88	90	91	92	86	87	85	86	84	81	84	89	74	71	59	72	69	80	91	88	86	82	78	75	85	86	92	92	92	88	..	83.4
	Minimum	63	63	65	63	67	65	67	65	66	69	69	66	57	51	54	56	55	60	66	67	67	65	56	55	60	68	62	66	69	68	..	63.0
Cairo, Ill.	Maximum	91	94	95	93	91	93	88	90	88	88	86	87	77	73	67	76	77	87	92	91	91	83	80	82	82	81	93	95	95	94	..	86.7
	Minimum	68	70	71	72	71	70	70	72	73	71	74	70	58	56	55	62	61	66	75	74	71	70	63	60	65	69	69	72	75	72	..	68.2

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 7-23-42—1100.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI JULY 1942 No. 7

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GENERAL SUMMARY

Wet weather continued over much of the northeastern quarter of the State the first ten days to two weeks of July, but elsewhere the rains of the previous month became less frequent and intense, and crop growth and delayed farm work made excellent progress.

The month averaged 0.7° warmer than normal for the State as a whole; however there were no unusually high temperatures recorded, but rather high humidity conditions continued and tended to make the warm days more disagreeable. Warm periods were 15th-19th and 25th-31st; with cool periods 1st-3d, 6th-7th, and 22d-24th. Afternoon temperatures of 100°, or higher, were recorded at a number of stations in each division—mostly on the 16th or 31st. All three divisions of the State averaged warmer than normal, but there were some stations in each division with subnormal averages for the month indicating the excess warmth was not general over the State. The average for the Southeastern Division was 79.6°; the Southwestern Division 78.5°; and the Northern Division 78.2°.

Precipitation was very irregularly distributed this month, with an average of 3.68 inches for the Northern Division, 2.72 inches for the Southwestern Division, 2.15 inches for the Southeastern Division; and 2.85 inches for the State, which is 0.75 inch less than normal. It was the fifth consecutive July with deficient precipitation. Monthly amounts ranged from over nine inches at Boonville to only 0.22 inch at Zalma, which accentuates the very irregular distribution of the July precipitation. Although the average for the State was below normal, the excess moisture which had been stored in the soil from rains of the preceding months provided ample moisture for current needs, except in the southern portion of the State the latter part of the month when there was some need for more moisture.

There were no severe storms during the month but there were two occurrences of unusually excessive precipitation. (For details see special excessive precipitation notes).

Flood conditions in the Mississippi and Missouri Rivers prevailing at the close of June gradually subsided and by July 9th these rivers were back within their banks and the trend throughout the remainder of the month was generally to lower stages.

Temperature and moisture conditions during July were generally favorable for crop growth and farming operations; however, the first two weeks were too wet in the northeastern quarter and during the latter half lack of moisture was a factor in the southern portion. Corn made good progress but there was considerable variation in the development of this crop due to wet weather of the preceding month, delaying planting and cultivation, and to the severe flooding of bottom lands. Some replanting in flooded areas was accomplished but much of this land was planted to other crops, or abandoned, because of the short time available for maturity. Wheat and oats harvest was completed during the month and threshing of these crops was progressing, with yields ranging from fair to good generally. Pastures and hay crops continued in good to exeellent condition, and the latter was being cut and baled, or stored, during the month. Some fall plowing was being done the latter part of the month in the western portions of the State. Truck crops and gardens improved, but there was considerable rotting of potatoes and tomatoes. Fruit prospects continued good and harvest of early peaches and apples was in progress. Melons and cantaloupes were being marketed from the southeastern

(Continued on page 39)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.99*	30.24*	14	29.78*	9	6.0	27	nw.	19	87*	60*	63*	77
Kan. C. Airport	29.96	30.20	21	29.72	9	10.5	30	nw.	25	80	53	52	77
St. Joseph	29.96*	30.23*	21	29.74*	9	7.6	21	se.	14	92*	57*	57*	70
St. Louis	30.00*	30.19*	14	29.79*	8	10.3	35	sw.	4	77	54	56	81
Springfield	30.02	30.17	14	29.84	9	9.1	40	n.	9	89	56	61	81
Cairo, Ill.	30.02§	30.21	13	29.83	8	6.8	30	n	21	84	56	..	83
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	79.3	111	50	2.85	4.44	1.50	2.62	0	7	..	..	..
1889	77.1	107	46	4.02	4.22	3.80	4.03	0	8	..	..	..
1890	79.6	110	42	3.04	3.12	3.90	2.10	0	5	..	..	..
1891	72.7	103	45	3.23	4.13	4.16	1.41	0	8	..	..	..
1892	75.8	102	45	4.88	5.27	4.95	4.43	0	9	12	10	9
1893	77.3	103	51	4.67	4.72	6.19	3.10	0	8	14	12	5
1894	76.5	109	42	2.67	1.48	3.43	3.11	0	5	18	10	3
1895	74.4	106	45	6.77	6.36	6.91	7.03	0	10	10	12	9
1896	77.3	108	48	5.51	7.53	4.34	4.66	0	9	15	11	5
1897	78.7	106	48	3.14	4.11	2.70	2.62	0	6	19	9	3
1898	76.1	104	42	5.72	5.00	5.71	6.44	0	9	16	10	5
1899	76.0	102	43	4.50	4.88	4.32	4.30	0	9	15	11	5
1900	76.9	102	46	4.15	3.91	4.58	3.96	0	8	17	10	4
1901	85.4	116	46	2.02	2.23	1.93	1.90	0	5	19	10	2
1902	77.0	103	50	4.10	5.95	4.54	1.80	0	8	17	11	3
1903	77.4	102	51	3.40	2.79	3.56	3.85	0	8	17	10	4
1904	74.2	100	47	4.61	4.86	5.32	3.65	0	10	15	11	5
1905	73.4	101	48	8.07	4.86	9.90	9.46	0	12	12	10	9
1906	74.7	100	48	3.54	2.33	4.11	4.19	0	8	17	9	5
1907	78.4	105	51	4.56	6.62	3.78	3.28	0	8	19	8	4
1908	76.5	101	49	3.36	3.36	3.09	3.64	0	8	18	9	4
1909	76.7	102	41	6.16	7.01	6.33	5.14	0	10	17	8	6
1910	76.8	109	46	5.79	4.79	4.59	7.99	0	9	16	9	6
1911	78.0	113	43	3.68	3.41	4.78	2.86	0	8	16	9	6
1912	78.8	104	52	2.88	2.15	2.53	3.95	0	7	18	9	4
1913	80.2	108	47	3.10	2.52	2.86	3.93	0	7	18	9	4
1914	80.5	109	45	2.67	2.48	3.98	1.56	0	7	17	9	5
1915	74.6	102	42	5.74	9.05	4.39	3.78	0	12	14	9	8
1916	81.6	109	52	1.22	1.28	1.01	1.36	0	3	25	5	1
1917	77.5	107	42	3.08	1.71	3.36	4.18	0	8	20	8	3
1918	77.1	110	41	1.62	1.98	1.89	1.00	0	6	19	8	4
1919	80.0	105	50	2.30	3.00	2.21	1.69	0	5	23	6	2
1920	76.3	105	47	3.80	3.69	3.17	3.05	0	7	18	8	5
1921	80.3	109	46	2.32	2.29	2.39	2.28	0	5	20	8	3
1922	76.8	103	46	5.50	6.87	5.57	4.06	0	8	17	9	5
1923	78.2	105	50	3.16	2.61	4.29	2.59	0	6	18	8	5
1924	73.3	103	40	5.55	4.42	6.65	5.57	0	10	15	11	5
1925	77.9	106	46	2.70	2.56	2.76	2.79	0	7	16	10	5
1926	78.0	108	40	3.07	3.66	2.54	3.02	0	7	17	9	5
1927	75.8	101	48	4.16	2.82	5.38	4.28	0	8	18	9	4
1928	77.2	102	48	2.93	3.47	3.15	2.16	0	7	17	10	4
1929	77.8	104	50	4.03	5.50	2.58	4.01	0	8	16	10	5
1930	81.2	113	42	1.00	0.50	1.48	1.01	0	3	22	7	2
1931	80.3	110	49	3.31	2.83	3.45	3.65	0	7	18	9	4
1932	79.8	109	48	3.61	3.89	4.08	2.85	0	7	19	8	4
1933	79.3	108	49	2.67	1.73	2.44	3.84	0	5	18	9	4
1934	86.2	117	48	1.18	0.82	1.22	1.50	0	4	20	9	2
1935	80.8	104	53	3.30	3.90	2.06	3.94	0	6	20	9	2
1936	85.3	118	44	1.52	0.72	1.48	2.37	0	3	23	6	2
1937	77.9	105	45	4.06	4.80	3.34	4.05	0	8	17	11	3
1938	79.7	110	53	3.50	2.91	2.58	5.00	0	7	19	8	4
1939	80 0	107	51	2 91	3.13	2.24	3.37	0	6	19	9	3
1940	77.7	111	45	1.58	1.47	1.55	1.73	0	4	19	9	3
1941	79 3	110	46	2.75	2.56	3.02	2.74	0	7	16	11	4
1942	78.8	104	50	2.85	3.68	2.72	2.15	0	7	17	11	3
.....	...	...	..	....	....	....	....	..	..	..	..	..
Period	78.1	118	40	3.60	3.68	3.65	3.47	0	7	18	9	4

Natural History Library

Climatological Data for July 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	77.8	.....	98	17†	50	23	13	1.59	−3.04	0.55	25	0	7	20	9	2	s.	Curtis E. Grace
Bethany	Harrison	916	47	77.4	+ 1.1	97	15	53	23	49	1.48	−2.68	0.55	25	0	7	22	8	1	se.	A. S. Cummiug
Brookfield	Linn	767	1	78.1	.....	96	17	55	7	1	2.86	.....	1.29	19-20	0	8	16	14	1	sw.	E. W. Patrick
Brunswick	Chariton	652	61	79.2	+ 3.1	98	29†	60	8	63	4.40	+0.29	1.47	10	0	7	16	7	8	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	77.8	.....	95	13†	55	2	12	6 01	+3.68	1.95	14-15	0	8	14	15	2	sw.	Lockmaster
Chillicothe	Livingston	779	33	78.4	+ 1.4	97	17	57	7†	36	2.77	−0.65	1.21	20	0	7	26	3	2	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	78.2	+ 1.8	97	29	58	1	33	3.44	+0.08	0.75	10	0	11	18	12	1	sw.	Dr. A. J. Bradsher
Columbia	Booue	740	52	79.2	+ 1.9	99	31	60	1	52	4.63	+1.14	2.14	9	0	11	12	17	2	sw	U. S. Weather Bureau
Conceptiou	Nodaway	980	53	78.6	+ 2.0	96	17†	54	23	58	1.74	−2.93	0.75	25	0	5	12	18	1	s.	Fr. Adelhelm Hess
Elsberry	Lincolu	449	11	79.6	+ 0.2	102	31	54	3	11	4.12	+2.13	1.10	9	0	8	10	19	2	sw.	Ray E. Mills
Fayette	Howard	760	62	77.4	+ 0.2	97	29	58	1†	59	2.83	−0.42	0.71	12	0	11	25	4	2	s.	Irvin E. Schnell
Fulton	Callaway	818	54	79.4	+ 1.7	97	31	59	7	50	2.64	−0.65	1.17	5	0	8	24	6	1	sw.	Robert T. Wise
Grant City	Worth	1,134	38	76.8	+ 0.6	97	15†	52	23	50	2 07	−2.56	0.93	25	0	5	10	20	1	sw.	Howard Rybolt
Hannibal	Marion	759	50	77.1	+ 0.3	95	31	57	2†	58	5.02	+1.93	1.19	13-14	0	8	11	11	9	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	81.5	+ 3.4	100	31	59	23	53	2.69	−1.44	1.47	25	0	5	14	15	2	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	79.6	.....	97	31	56	23	4	4.71	.....	2.26	12	0	8	13	9	9	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	77.8	+ 1.2	97	28†	56	23	54	0.87	−3.01	0.26	12	0	8	17	12	2	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	77.8	+ 1.8	97	13†	54	2†	60	3.80	−0.50	1.87	14	0	6	15	15	1	sw.	Howard Coons
Lawson	Ray	1,070	4	78.3	.....	99	31	55	23	4	1.41	.....	0.56	12	0	6	26	5	0	sw.	Frank G. Gstrein
Louisiana	Pike	469	48	76.5	+ 0.1	95	17	54	7†	61	4.27	+0.67	1.10	14	0	10	19	12	0	sw.	Stark Bro's Nurseries
Macon	Macon	875	43	77.7	+ 0.5	100	31	56	7	49	5.51	+2.10	1.48	10	0	9	13	10	8	sw.	John W. Atwell
Maryville	Nodaway	1,169	52	77.0	+ 1.3	97	16†	57	23	48	2.56	−2.67	1.43	25	0	5	16	13	2	sw.	R. B. Montgomery
Memphis	Scotland	787	3	75.8	.....	95	31	53	2†	12	7 05	+4.25	4.74	14-15	0	6	17	8	6	sw.	John W. Alexander
Mexico	Audrain	800	53	79.2	+ 1.9	99	17†	58	7	64	5.44	+2.23	2.02	9-10	0	11	17	6	8	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	....	.....	....	....	.	..	..	..	..	.....	.....
Oregon	Holt	1,048	86	79.8	+ 4.2	100	17†	56	22	86	1.29	−2.89	0.55	25	0	7	22	8	1	sw.	Miss Miua Wright
St. Charles	St. Charles	520	54	80.2	+ 2.1	98	31	60	2	64	4.26	+1.27	1.17	10	0	10	21	9	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	80.0	+ 2.6	98	29	58	23	70	2.21	−1.57	0.99	24-25	0	8	18	10	3	s.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	78.3	.....	96	31	58	7	4	6.49	.....	2.73	12-13	0	12	18	13	0	s.	Lockmaster
Shelbina	Shelby	779	1	77.7	.....	98	31	55	7	49	3.99	+0.12	1.19	19-20	0	8	19	11	1	s.	Guyman Hatcher
Steffenville	Lewis	650	44	76.8	− 1.0	98	31	53	7	49	5.52	+1.41	2.45	9-10	0	7	22	6	3	sw	Samuel D. Gross
Tarkio	Atchison	916	39	77.8	+ 1.0	100	15†	56	25	48	1.94	−2.21	1.00	25	0	6	14	16	1	se.	Albert Volker
Trenton	Grundy	822	46	79.0	+ 2.2	98	17†	57	23	47	1.40	−2.67	0.63	12	0	6	22	8	1	s.	W. H. Estes
Unionville	Putnam	1,062	49	75.4	− 1.1	97	13	50	2	49	3.55	−0.57	1.06	3	0	8	13	15	3	sw.	C. D. Wilson
Warrenton	Warren	816	60	78.5	+ 0.7	98	31	50	1	52	2.33	−0.81	2.16	9-10	0	8	22	8	1	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	70	77.9	+ 1.0	96	17	58	2†	70	4.75	+1.34	2.12	7-8	0	14	17	4	10	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**78.2**	**+ 1.3**	**102**	**31**	**50**	**1†**	..	**3.68**	**0.00**	**4.74**	**14-15**	**0**	**8**	**17**	**11**	**3**	**sw.**	
Southwestern Division																					
Anderson (near) ‡‡‡	McDonald	1,000	38	76.2	− 1.1	99	29†	52	23	43	0.45	−3.96	0.45	10	0	1	17	14	0	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	78.4	+ 0.2	97	31	58	23	50	2.78	−1.53	0.97	9-10	0	8	20	5	6	sw.	Rolla Brown
Bolivar	Polk	1,071	39	78.3	+ 1.0	97	31	60	2	47	2.95	−0.77	1.39	10†	0	5	22	8	1	sw.	Southwest Baptist College
Boonville	Cooper	650	4	76.8	.....	96	31	59	5	65	9 32	+6.08	7.00	5	0	10	15	9	7	se.	Boonville Water Dept.
Carthage	Jasper	962	8	78.6	.....	97	31	57	2†	18	2.95	.....	2.00	20	0	3	23	7	1	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	79.6	+ 1.3	99	31	60	22	55	2.86	−0.57	1.77	9-10	0	10	16	13	2	s.	U. S. Weather Bureau
Eldon	Miller	934	47	77.4	+ 0.2	98	31	59	23†	43	3.39	+0.17	1.52	5	0	8	14	11	6	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	78.5[n]	.....	99	15†	51	1	1	2.83	.....	1.93	20	0	6	14[a]	11*	5[n]	se.	U. S. Army Medical Corps
Harrisonville	Cass	904	61	78.0	+ 0.3	97	31	58	1†	67	4.98	+1.37	2.34	9-10	0	8	10	19	2	sw.	John H. Patterson
Jefferson City	Cole	557	52	77.2	− 0.9	97	31	58	7†	60	6.00	+2.89	3.20	10	0	3	19	7	5	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	80.4	+ 2.3	96	31	64	23	37	3.27	−1.35	1.47	19	0	5	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	79.2	− 1.3	99	15†	60	23	11	2.21	+0.06	0.54	10	0	8	13	16	2	sw.	W. S. Frame
Lamar	Barton	980	54	76.4	− 2.0	96	16†	56	23†	61	2.88	−1.34	2.20	20-21	0	4	22	9	0	sw	Jesse A. Mann
Lebanon	Laclede	1,265	54	76.8	− 0.1	98	16	56	2	55	2.60	−1.36	0.88	20	0	7	8	13	10	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	79.8	+ 2.4	99	31	60	23	58	1.84	−2.17	0.78	12	0	11	19	12	0	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	79.6	+ 2.0	99	16†	60	23†	46	3.44	−1.32	2.23	20	0	5	19	11	1	sw.	Hubert A. Nieman
Marshall	Saline	779	55	80.2	+ 2.7	99	13†	60	23	52	3.46	−0.11	1.82	5	0	9	12	19	0	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	78.2	+ 1.8	97	14†	58	2	45	1.20	−2.69	0.49	31	0	4	13	18	0	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	78.2	+ 0.5	99	17	55	23	42	1.85	−3.34	1.50	20	0	3	8	16	7	sw.	G. H. Boswell
Neosho	Newton	1,011	55	78.8	+ 1.3	98	31	53	23	59	1.52	−3.13	1.04	10	0	4	21	9	1	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	79.0	− 0.6	99	31	57	23	50	2.43	−1.23	1.34	20	0	4	18	12	1	sw.	Henry Kraft
Ozark Beach	Taney	700	2	79.6	.....	101	15	58	2	17	1.73	−1.66	1.18	21	0	4	19	11	1	s.	V. Smith
Sedalia	Pettis	910	29	80.0	+ 2.5	100	31	57	1	31	1.06	−3.38	0.47	10	0	4	26	3	2	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	76.0	− 0.7	94	31	56	6†	39	0.82	−3.30	0.41	10	0	3	26	5	0	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	76.8	+ 1.3	95	16	54	2	36	1.39	−2.55	0.83	20	0	4	23	5	3	sw.	A. L. Hailey
Springfield	Greene	1,301	54	77.2	+ 0.4	95	16	59	23	54	2.96	−1.25	2.43	19-20	0	4	12	13	6	sw.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	79.4[a]	.....	100	31	57	23	1	2.72	.....	1.53	10	0	5	22	9	0	sw.	H. F. Nelsou
Warrensburg	Johnson	878	55	80.0	+ 1.2	100	29†	57	23	62	2.09	−1.88	1.50	10	0	5	21	8	2	sw.	E. A. Markey
Warsaw	Benton	687	41	79.8	+ 1.5	101	31	59	1†	47	3.45	−0.56	1.55	20	0	7	16	14	1	sw.	Everett Martin
Wasola	Ozark	1,294	1	79.2	.....	100	16	59	3	2	0.98	.....	0.42	2	0	5	22	9	0	sw.	A. W. Pinckney
Division means	**and extremes**	.....	..	**78.5**	**+ 0.7**	**101**	**15†**	**51**	**1**	..	**2.72**	**−0.93**	**7.00**	**5**	**0**	**6**	**18**	**11**	**2**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	5	79.8	.....	99	16†	52	24	5	0.76	.....	0.56	26	0	10	10	15	6	sw.	U. S. Weather Bureau
Arcadia	Iron	926	61	77.7	+ 1.9	99	29	53	24	64	3.85	−0.27	1.08	8	0	9	14	14	3	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	77.4	+ 0.8	98	14†	52	3	48	1.71	−1.87	0.86	20	0	4	26	4	1	.....	V. H. Kirkendall
Bragg City	Pemiscot	261	0	80.5	.....	98	16	60	24	11	0.74	−3.24	0.37	21	0	5	22	9	0	s.	Paul B Hutchens
Campbell	Dunklin	314	16	82.2	+ 1.8	102	19	61	3†	16	2.05	−1 43	1.94	28	0	3	20	11	0	s.	Mrs W. J.Christian
Caruthersville	Pemiscot	265	46	81.0	− 0.3	96	14†	64	2†	50	2.17	−1.12	1.30	22	0	4	24	4	3	s.	Victor T. Malloure
Crystal City	Jefferson	420	8	77.2[n]	.....	97	30	56	7†	8	3.95	.....	1.82	9	0	7	8[a]	16[a]	6[a]	s.	Frank Magre
Doniphan	Ripley	344	38	80.2	+ 1.6	100	14	53	24	38	3.29	−0.75	2.77	28	0	4	29	0	2	sw.	Boyce Lackey
Farmington	St. Francois	896	31	79.4	+ 3.1	97	16†	57	24	45	3.25	−0.31	0.96	26	0	7	4	18	9	s.	F. M. Karsch
Goodland	Iron	1,000	49	76.8	+ 1.2	100	29†	54	2†	49	1.18	−2.51	0 50	5	0	5	24	4	3	s.	F. M. Adams
Greenville	Wayne	381	33	80.2[f]	+ 2.8	103	16	54	24	35	0.38‖	−3.38	0.24	7-8	0	6	11[f]	13[f]	1[f]	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	81.1	+ 3.5	99	16†	57	24	52	1.53	−2.01	0.43	20	0	5	12	5	14	s	John G. Putz
Jefferson Barracks	St. Louis	465	36	....	.....	99	30†	..	..	28	3.76	−0.53	2.45	8-9	0	6	22	5	4	sw.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	79.6	+ 0.8	96	16	61	3†	42	1.94	−1.83	0.95	27	0	6	12	14	5	sw.	R. M. Hitt

Continued on next page

Climatological Data for July 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Lickling(near)	Texas	1,170	5	77.8	.....	101	16	56	21	5	1.86	.....	0.56	26-27	0	7	23	6	2	w.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	77.9	+ 0.1	100	29	50	24	49	2.82	−1.20	1.45	6	0	4	23	7	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	82.1	+ 2.9	104	19	59	24	38	0.64	−3.30	0.44	30	0	2	18	13	0	s.	B. R. Wheetley
Rolla	Phelps	1,202	42	77.2	− 0.5	95	16	60	2	58	3.14	−0.25	2.24	19-20	0	6	7	20	4	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	80 6	+ 1.8	97	30	66	8	105	7.92	+4.94	6.94	8-9	0	11	16	12	3	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	79.4	+ 1.6	98	31	59	7	11	5.41	+2.75	4.04	9	0	11	12	10	9	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	80.4	− 0.1	98	30	63	7	30	7.97	+4.79	7.06	9	0	11	25	6	0	s.	St. Louis University
Salem	Dent	1,173	38	78.7	+ 1.9	98	15†	57	2†	41	2.69	−0.81	0.88	31	0	7	25	4	2	s.	E. E. Martin
Sikeston	Scott	318	35	82.4	+ 3.8	103	30	59	21	45	0.32	−3.40	0.25	10	0	3	16	15	0	n.	Mrs. Hazelle P. Young
Union	Franklin	520	4	79.4	.....	101	31	58	24†	25	0.94	−3.00	0.35	9-10	0	7	18	9	4	s.	Robert Mueller
Wappapello Dam	Butler	475	3	81.8	.....	99	16†	63	24	3	0.62	.....	0.44	21	0	3	16	14	1	sw.	U. S. Engineer Office
Weingarten ††	St. Genevieve	833	1	78.2¶	.....	95	16†	58	2	2	....	.....	....	.....	0	..	7‖	3‖	11‖	.....	John A. Kettinger
West Plains	Howell	1,005	5	78.6	.....	98	14†	57	2†	5	3.09	.....	2.25	26	0	5	11	15	5	sw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	77.2	.....	98	15†	53	24	35	1.57	−2.23	0.43	11†	0	5	12	16	3	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	82.4	+ 2.8	98	16	65	24	71	0.62	−2.45	0.36	9-10	0	9	8	15	8	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**79.6**	**+ 1.7**	**104**	**19**	**50**	**24**	..	**2.15**	**−1.32**	**7.06**	**9**	**0**	**6**	**17**	**10**	**4**	**s.**	
State means	**and extremes**	.....	..	**78.8**	**+ 0.7**	**104**	**19**	**50**	**1†**	..	**2.85**	**−0.75**	**7.06**	**9**	**0**	**7**	**17**	**11**	**3**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, Weingarten, and Willow Springs.

(Continued from page 37)

counties by the third week, but the acreage planted to these crops was less than usual, although the marketings were bringing higher prices.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 78.8°, or 0.7° warmer than normal. The highest monthly mean was 82.4° at Sikeston, and the lowest monthly mean was 75.4° at Unionville. The highest recorded was 104° at Poplar Bluff on the 19th, and the lowest was 50° at Albany on the 23d, Marble Hill on the 24th, Unionville on the 2d, and Warrenton on the 1st.

PRECIPITATION

The average for the State, 154 stations reporting, was 2.85 inches, or 0.75 inch less than normal. The greatest local monthly amount was 9.32 inches at Boonville, and the least local monthly amount was 0.22 inch at Zalma. The greatest amount in any twenty-four hours was 7.06 inches at St. Louis University on the 9th. The average number of days with 0.01 inch or more was 7.

MISCELLANEOUS PHENOMENA

Floods.—In Grand River, at Brunswick, continued from June to July 6th. In Mississippi River, from Grafton to Cape Girardeau, continued from June to July 9th. In Missouri River, at Waverly and below, continued from June to July 8th.

Fogs.—Dense, 11th, 12th, 20th, 21st, 22d, 23d.

Hail.—Light, 4th at Mexico; 5th at Fulton and Boonville; 7th at Belleview; 9th at Amity, Kansas City University, Mexico, and Altona; 24th at Jefferson City and north of Oregon.

Halos.—Solar, 2d, 3d, 11th, 22d; lunar, 28th.

Thunderstorms.—Local, 2d, 3d, 4th, 5th, 6th, 7th, 8th, 11th, 12th, 13th, 14th, 17th, 21st, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st; more or less general, 9th, 10th, 19th, 20th.

Windstorms.—On 3d at Maryville with damage to trees. On 9th at Altona where corn was damaged, and at Columbia where the wind was accompanied by a severe electrical storm resulting in damage by wind to trees and wires.

DEATHS FROM LIGHTNING

Two persons were killed by lightning this month, one on the 4th near Linneus and the other on the 9th near Dewitt.

EXCESSIVE PRECIPITATION

An unusually heavy rain totalling 7.00 inches, fell at Boonville between 9:30 p. m. of July 4th and 2:00 a. m. July 5th, resulting in considerable damage to water pumping equipment of the municipal water department and to petroleum storage tanks, and contents, of two oil companies.

Another unusually heavy rain storm, accompanied by lightning, occurred over the St. Louis area on the 8-9th with resulting heavy damage estimated at $600,000 in the State and at $1,000,000 for the entire area, which extended into Illinois. Amounts from unofficial reports, but believed to be reliable, ranged to as much as 11 inches in a ten-hour period near Florissant, Mo., a suburb of St. Louis. Official measurements ranged up to as much as 7.06 inches at St. Louis University in slightly less than a twenty-four hour period. However, the greater portion of the total fall of this rain occurred within the first six or seven hours of the storm period. Basements, streets, and low places were flooded and overflowed, and traffic on many streets and throughfares was halted and motor vehicles stalled. Traffic conditions were aggravated because of the storm occurring during the morning rush hours. A maximum wind velocity of twenty-five miles an hour accompanied the heavy rain but wind damage was negligible. Erosion of fields and victory gardens was excessive.

ERRATA

June 1942, page 32: Mean temperature at Clinton should be 73.9, departure should be + 0.1 and date of maximum temperature should be 4; greatest precipitation in twenty-four hours at Advance should be 1.67 on 12-13. Page 33: Date of maximum temperature at West Plains and Rolla should be 28 and 3 respectively. Page 36: M nimum temperature at Clinton on 13th and 20th should be 49 and 62 respectively, mean minimum should be 63.7; minimum temperature at Rolla on 5th and 12th should be 67, mean minimum should be 62.4.

Daily Precipitation for July 1942

Stations	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand			.52						.20			.02							.02		.19				.55					.09		1.59
Amity[2]	do		T.	.15					T.	.50		.15	.50							T.	.01		T.		T.	1.10				T.		.04	2.45
Bethany	do			.30						.08			.15							.33		.02				.55					.05		1.48
Bowling Green[2]	Mississippi			.41	.12		T.		.11	.43	1.15		.35		1.15	.57				.56										.18	.40		5.43
Brookfield	Grand			.79	.15					T.			.31							1.26	.03					.20				.10	.02		2.86
Brunswick[2]	do		T.	.72			T.				1.47			.82							.43		.37							.47		.12	4.40
Canton, Lock No. 20[2]	Mississippi			.29			.02		1.24	T.	1.87		T.	.54	1.80	.15				T.	.10						T.			T			6.01
Centralia[2]	do			1.02	.75		.09		.12	.59	.97		.20		.48						.08												4.30
Chillicothe[2]	(A) Grand			.21							.05		.63								1.21					.48				.04	.15		2 77
Clifton Hill	Chariton			.74	.60		.27				.75		.27		.17					.30	.04	.08								.20	.02		3.44
Columbia [1‡]	Missouri			.19	.67	T.	.28		T.	2.14		.01	.16		.15					.83	.02	T.					.13			T.	.05		4.63
Conception	do			.65						.18			T.							.06		.10				.75			T.		T.		1.74
Edina[2]	Mississippi			.46		.03				2.35	1.15			.18	2.73	.16				.34	.03												7.43
Elsberry	do			.26		T.		.19		1.10	.60		.07		.64						.96									.30			4.12
Farber[2]	do				.72	.04				.08	1.70			.70	.80	.60				.10			.04								.07		4.85
Fayette	Missouri		T.	.27		.54	.03		.04	T	.38		.71		.18					.49	.07	.03					T.			T.	.09		2.83
Fulton	do					1.17	.07				.58		.07	.14	.06						.48											.07		2.64
Gallatin[2]	Grand		T.	.39									.83	.18							.08	T.				.35						T.	1.83
Grant City	do			.31	T.				T.											.15		.29				.93			T.		.39		2.07
Hannibal[3]	(A) Mississippi			.24						1.11			.65	.44	.75					1.12	T.	T.				.56				.15			5.02
Hermann[2]	Missouri				.14	.26		.05	.02		1.02				.47						.50							.05				.11	2.62
Kahoka[2]	Mississippi			.56	T.				1.25		.82			.40		1.40				.30	.02									T.			4.75
Kansas City Airport [1‡]	Missouri		.17	T.		T.	T.		.01	T.			1.00							.04	T.	T.				1.47				T.			2.69
Kansas City University	do		.08						T.	.08	.56		2.26								.02				T.	1.69	.01				.01		4.71
Kidder[2]	Grand		.04	.24			T			.01			.26	.07							.15		T.			.09						.01	0.87
King City	Missouri	.04		.15					.02				.37							T.		.02				.78				T.			1.38
Kirksville	Mississippi			.62		.01				.22			T		1.87					1.04	.04										T.		3.80
LaBelle[2]	do			.50		.11				.26			.94	2.48	.12					.08													4.49
Lawson	Missouri			.02					.05				.56							.34	T.	.22				.22							1.41
Linneus[2]	Grand			.99						.05	.10		.10	.03						.54	.41						.22			T.	T.	T.	2.44
Louisiana[2]	(A) Mississippi				.93				.09	.40	.40		.20		1.10	.50					.40							.20			.05		4.27
Lucerne[2]	Grand			1.10										.08	.01	.24				.80									.09			.26	2.58
Macon[2]	Chariton			.81	.08	.11				T.	1.48			.28	1.41					.09	1.07									.18	T.		5.51
Madison[2]	Mississippi																																
Maryville	Missouri	T.		.81						T.										.10		.12				1.43			T.		.10		2.56
Memphis[2]	Mississippi			.63					.14		1.38				4.58	.16				.16							T.						7.05
Mexico[2]	do			.75		1.15	.05	.01		1.37	.65			.35	.30	.45					.35		.01										5.44
Milan[2]	Grand			.61						.04	.03			.06	.31	.03				.81	.04						.11	.83				.05	2.92
Moberly	Mississippi																																
Monroe City	do			.57						3.05	.59		.92		1.31					.64										.06			7.14
New Florence[4]	Missouri			.03	.16		T.		T.	1.54	.01		.02	.27	.08					.76	.01	T.					.24				.02		3.14
Oregon	do	T.		.12	T.				.14	.10	.02		.34							.02						.55			T.		T.		1.29
Palmyra[2]	Mississippi			.30						.50	.70			.80	.70	.35				T.	.80										T.			4.15
Paris[2]	do			.50	.19	.05	.17			T	.47		T.	.39	.39	.65					.32		T							T.	.09	T.		3.22
Perry	do			.50			.05			1.54	.15		.25		1.30						.11													3.90
Philadelphia[2]	do			.41						.24	1.92		T.	.22	1.92	.26					.91										T.		5.88
St. Charles[2]	Missouri					T.			1.05	.70	1.17				.47						.06		.01					.29		.29	.08	.14	4.26
St. Joseph [1‡]	do			.11	T.		T.	T.	.22	.10			.74							.04		.01			.58	.41					T.		2.21
Saverton, Lock No. 22[2]	Mississippi			.14	.09	T.	T.		.09	.11	.37		2.48	.25	.78	.18					1.18		T.				.32	T.		.50	T.		6.49
Shelbina	do			.55						.33	.35		.18		1.17					.34	.85	T.								.22			3.99
Shelbyville[2]	do			.60						.84					.36	1.22					1.32									.17			4.51
Steffenville	do			.39						1.16	1.29		.64		1.93					.04	.07												5.52
Tarkio	Missouri		.33		.19					.10			.12									.20			1.00		T.			T.			1.94
Trenton	Grand			.59						.07	.15		.63							.07		.02				T.				.02			1.40
Troy[2]	Mississippi				.20			T.	.26	.26	2.15			.06	.84	.05					1.20							T.			.14			5.16
Unionville[2]	Chariton			1.06							.03			.06	.67	.39				1.04						.12						.18	3.55
Warrenton	Mississippi			.01		.02	T.		.02	70	1.46										.08	.02					.02				T		2.33
Keokuk, Iowa[3]	do			.68			.30	1.18	.94	.38	.06		.09	.07	.52					.07						.10	.11			.12	.13		4.75
Southwestern Division																																	
Altona[2]	Osage			.12		T.			T.		2.30	T.									.50	.09			T.	.24							3.25
Anderson (near)	Neosho										.45	T.									T	T.											0.45
Appleton City	Osage		.02	.30		.10				.12	.85										.88					.11	.40						2.78
Bolivar	do			.10							1.39	.07								.16	1.23					T.							2.95
Boonville[2]	(A) Missouri			.08		7.00					.52		.23	.10						.04	1.10					.10	.09					.06	9.32
Buffalo[2]	Osage				.06						.91		.12								.75	.13	.02											1.99
Butler[2]	do				.22	.04					.44										.59	.69					.02	.07						2.07
Caplinger Mills[2]	do				.05						.95		.60								2.22	.65												4.47
Carthage	Neosho										.42										2.00						.53							2.95
Clinton[4]	Osage		.16	.24		.11			.02	1.75	.02	.03								.23	.28					.02							2.86
Concordia[2]	Missouri																																
Crocker	Osage		.02	T.		.05	.20				.35		.02						T.		1.20	.02					.38							2.24
Eldon[2]	Missouri			.06	.02	1.52					1.15		.18								.28	.04						.14						3.39
Eldorado Springs	Osage			.06							1.22										2.01					.06							3.35
Fort Leonard Wood	Gasconade		.06				.19				.45									.12	1.93							.08					2.83
Galena[2]	White	.10									.20		.20								.10	.60						.20						1.40
Hailey	do										.78	.38									.68						.42							2.26
Harrisonville[2]	Osage		.16	.23						.03	2.31		.33								.56					.44	.92						4.98
Higginsville[2]	Missouri																																
Jefferson City[2]	do					2.58					3.20										.22													6.00
Joplin[3]	Neosho									.21	.60	T.						.10		1.47	.89					T.							3.27
Lakeside[2]	Osage		.05	.04		.47		T.			.54		.53								.31	.22						.05						2.21
Lamar[2]	Neosho				T.						.60										1.35	.85					.08							2.88
Lebanon[2]	Osage			.18				.02			.35										.88	.32						.70			.15			2.60
Lexington[2]	Missouri		.04				.10			.02	.40		.78	.03							.08		.07			20	.05			.07	T.		1.84
Lockwood	Osage			.08							.68	T.								T.	2.23					T.	.40					.05	3.44
Manes[2]	Gasconade																			T.	*	.76								T.			1.26
Marshall	Missouri			.08	T.	1.82	.06		T.	.03	.86		.20							.15	.16	.10				T.								3.46
Mountain Grove	White																				.43	.03						.25				.49		1.20
Mount Vernon	Neosho										.30										1.50						.05							1.85
Neosho	do	.09									1.04	T.									.29	.10				T.								1.52
Nevada	Osage		T.	.14							.90										1.34					.05	T.				T.			2.43
Osceola[2]	do		.07	.05							1.82										.45	.58			.05		.13							3.15
Ozark Beach[2]	White	.03									.38											1.18						.14						1.73
Pleasant Hill[2]	Osage		.28	T						.03	1.79		.56								.30	.33	T.			.70	.51							4.50
Roby	Gasconade		.03								.10	.26									1.26						.08						.15	1.88
St. Thomas (near)[2]	Osage				.21	3.89					1.03										.17													5.30
Sedalia	Missouri		.03				T.				.47										.28						.28							1.06
Sellgman	Neosho	.08									.41	.33									T.													0.82
Seymour (near)	White										.32	.15									.83	.09				T.								1.39
Springfield [1‡]	do			T.			T.			.89	.14	T.								.35	2.08										T.		2.96

Continued on next page

Daily Precipitation for July 1942 Continued from preceding page

Stations	Drainage basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																	
Stover[2]	Missouri			.20							1.05										.24												1.49
Sweet Springs	do								.02	T.	1.53		.38							.71	.08					T.							2.72
Warrensburg	do		.17	T.			T.		T.		1.50		.04							T.	.21					.17							2.09
Warsaw (A)	Osage		.05	.03		.52			T.	T.	1.17		.11								1.55					.02							3.45
Wasola	White		.42								.15										*	.10										.31	0.98
Waverly[2]	Missouri									.06	.80		.45	.08							.07												1.46
Southeastern Division																																	
Advance[4]	St. Francis						.02	.01	.01	.02	.01										.01						.56		.05		.04	.03	0.76
Alton (near)	Black											.54																.05					0.59
Annapolis	St. Francis					.35		1.02	.01		.09										.14							.55	.50			.01	2.70
Arcadia[2]	do					.58		.08	1.08	T.	.12										.11	.56						.80	.28	T.		.24	3.85
Belleview	Meramec					.48	.14	1.80	T.												.98						*	.56					3.96
Birch Tree (near)	Black											.34									.86							.39				.12	1.71
Bragg City	St. Francis	T.						.16			T.	.07				.07						.37	.07							T.			0.71
Campbell	do											.07										T						.04	1.94				2.05
Cape Girardeau[2]	Mississippi							.82	T.	T.	.25											.19						.01	.02				1.29
Caruthersville[2]	do												.50			.05						.32	1.30										2.17
Centerville[2]	Black					.35		.05	.04		.20										.12	.12				.10						.06	1.04
Crystal City	Mississippi					.08	.12		.36	1.82	.33				.26						.98												3.95
Deering[2]	St. Francis								.11				.17									.20	.45										0.93
Dexter[2]	do									.05	.13		.01									.10							.36			.02	0.70
Douglas	Black											.37										.06					T.	2.77	.09				3.29
Farmington	St. Francis					.49	.49		.55	.02											.66						.96	.08					3.25
Fisk[2]	do												*									*							*		.96		0.96
Fredericktown[2]	do					T.		.42	.28	.07	.63										.31	.67						.08	1.53				3.39
Gerald[2]	Meramec					.48					.34																	.70					1.52
Goodland	Black					.50	.12				.12										.28											.16	1.18
Greenville	St. Francis							*	.24												.04								.03		.05	.02	0.38
Jackson	Mississippi						.33			.21											.43								.35			.21	1.53
Jefferson Barracks	do						.01		.30	2.15	.50				.20						.60												3.76
Jerome[2]	Gasconade					.20		.11			.68										1.62	.72											3.33
Koshkonong	Black										.09	.64								.13		.10					.95	.03				T.	1.94
Leeper[2]	do					.01			.01				T.									.18	.10					.32	T.		.22		0.84
Licking (near)	Gasconade		.08								.24	.30									.48					.46	.10					.20	1.86
Marble Hill	Mississippi						1.45														.11						.84					.42	2.82
Meramec Park[2]	Meramec					.33		.26																									0.59
Morehouse	Mississippi							T.		.10	.07										.08						.08	T.				T.	0.33
New Madrid[2]	do							T.	T.		T.		.01									.01						.76	.33				1.11
Owensville[2]	Gasconade			T		.59					.59										.44									.94			2.56
Pacific[2]	Meramec							.27			1.11				.20						T.												1.58
Parma[2]	St. Francis											T.	.10									.03							.52	.08	.12		0.85
Perryville[2]	Mississippi							.71			.11										*	.15							.16				1.13
Poplar Bluff[2] (A)	Black												T.										.20						T.		.44		0.64
Richwoods[2]	Meramec					.57		.56	.10		.02										.70												1 95
Rolla[4]	do			T.	T.	.19	.16			.87	T.										1.86	.38										.18	3.14
St. Louis:																																	
City Office[1‡]	Mississippi			T.	T.		.01	.01	.28	6.89	T.		T.	.09	.29					.08	.07	.03				.01			T		.16	7.92
Airport[4‡]	Missouri			.03	T.		.01	.02	.81	4.04	T.			T.	.08			T.		.04	.02	.26				T.	.03		T.	T.	.07	5.41
St. Louis Univ.[3‡]	Mississippi			T.		T.	.05	.02	.27	7.06	.08				.19					.01	.20	.04				.04			T.	.01		7.97
Washington Univ.[2‡]	do								.40	4.68	1.28				.42						.33		.07				.16				.04	7.33
Salem	Meramec					.32	T.				32									.30	.30	.32				.25						.88	2.69
Sikeston[3]	Mississippi							.05			.25	T.										.02				T.							0.32
Union	Meramec					.24	.15		.01	.23	.12				.02						.14												0.94
Valley Park[2]	do				T.			T.	.21	.16	2.46				.07						T.	T.	.04				.03				.06	3.03
Van Buren	Black							.12				.05									.60						.06					0.83
Wappapello Dam[2]	St. Francis							T														.44							.01		.17		0.62
Weingarten[2]	Mississippi							.51	.12	.17	.15										.90	.12											
West Plains[4]	Black										.23	T.									.19					2.25	.38				.04	3.09
Williamsville[2]	do					.01			.01													.35					.63			.01		1.01
Willow Sprgs. (near)	White										.19	.43									.43	T.					.43				.09	1.57
Zalma (near)	Mississippi							.05	T.	.03											.05							.04			.05	0.22
Cairo, Ill [1‡]	do					T.	.08	.01	T	.34	.02		T.								.04	T.					.03	.01		.01	.08	0.62

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for July 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month																															Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.256	.231	.149	.171	.338	.246	.101	.228	.265	.303	.215	.233	.263	.301	.262	.263	.302	.287	.326	.234	.027	.238	.200	.219	.237	.213	.188	.223	.250	.285	.319	7.373
	Mean temperature	74	72	72	78	77	74	78	82	84	80	79	82	83	85	85	84	86	83	84	75	77	73	74	74	78	78	77	80	84	82	86	79.2
	Wind movement	28	24	20	47	32	66	31	52	45	46	21	29	19	38	32	11	16	16	61	58	17	36	20	12	19	18	16	22	22	36	40	950
St. Louis (Washington University)	Evaporation	.263	.227	.190	.138	.242	.260	.109	.221	....	.252	.151	.165	.227	.273	.124	.204	.255	.281	.285	.192	.161	.196	.220	.196	.198	.222	.169	.205	.250	.200	.295	6.583
	Mean temperature	74	68	73	78	80	76	70	80	75	76	78	82	85	78	82	86	86	82	82	77	80	74	73	74	76	79	78	80	84	86	86	78.7
	Wind movement	15	15	8	9	11	21	15	22	24	14	9	5	12	18	7	5	9	12	21	19	9	12	19	9	3	3	4	3	4	4	12	353

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for July 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	83	86	85	93	93	79	90	94	89	91	93	92	95	95	96	96	97	92	90	86	80	83	87	89	83	91	92	95	98	92	98	90.4
	Minimum	63	62	61	64	67	69	61	60	73	71	70	70	72	74	72	73	74	77	77	70	69	64	62	61	65	65	66	66	69	72	73	68.1
Chillicothe §§	Maximum	82	80	85	91	92	78	90	93	91	89	91	90	93	93	95	96	97	91	85	85	82	81	84	87	83	89	90	93	93	96	95	89.0
	Minimum	59	60	63	62	63	69	57	71	74	69	67	70	72	72	73	73	73	76	76	68	67	59	57	64	64	63	67	69	74	73	74	67.7
Columbia	Maximum	83	79	84	90	90	79	88	93	90	89	89	91	93	93	94	95	96	91	93	83	82	82	85	87	86	88	90	94	97	94	99	89.3
	Minimum	60	63	63	66	65	65	63	74	68	67	70	73	76	70	75	74	78	76	69	71	66	61	61	66	70	69	66	69	77	76	76	69.1
Fayette	Maximum	82	78	83	90	89	80	89	94	90	89	89	90	93	92	93	94	95	92	92	84	82	82	84	86	83	87	89	93	97	94	96	88.7
	Minimum	58	59	60	62	62	69	58	70	73	68	66	70	70	66	67	68	73	72	69	68	64	60	59	60	65	66	66	65	73	72	73	66.2
Grant City	Maximum	82	79	84	88	90	86	87	93	87	90	91	90	94	93	97	96	97	90	84	90	82	80	86	85	84	87	90	89	95	92	93	88.7
	Minimum	55	56	60	60	59	63	55	69	74	63	65	70	72	70	70	73	71	73	71	60	64	59	52	65	61	61	63	68	69	70	73	65.0
Hannibal	Maximum	81	79	82	86	90	79	84	93	84	85	89	90	93	85	93	94	94	91	89	85	82	81	83	84	86	89	90	90	92	90	95	87.4
	Minimum	59	57	58	63	66	64	57	67	68	68	68	69	74	66	70	72	75	75	70	69	66	61	62	64	64	66	65	67	74	74	74	66.8
Kansas City Airport	Maximum	84	83	90	96	95	81	93	97	97	95	91	91	94	95	97	96	97	91	89	85	83	82	87	85	82	90	91	95	98	95	100	91.1
	Minimum	65	64	70	68	74	69	66	79	75	70	74	72	78	79	76	78	80	79	72	71	68	64	59	68	64	67	70	75	78	79	77	71.9
Kirksville	Maximum	82	82	85	91	92	87	92	95	90	90	95	88	97	91	95	95	97	94	85	85	84	82	85	87	86	90	93	94	95	92	95	90.0
	Minimum	58	54	59	59	63	65	54	69	70	68	66	68	73	65	71	70	74	74	67	67	66	60	56	61	64	62	64	66	73	74	71	65.6
Lawson	Maximum	83	82	88	93	93	80	91	94	94	91	93	91	94	92	96	95	97	91	82	86	83	83	86	87	85	90	92	93	98	94	99	90.2
	Minimum	56	59	64	62	65	64	59	78	73	68	68	68	73	73	70	71	72	73	66	66	63	56	55	60	62	61	65	68	73	74	72	66.4
Louisiana §§	Maximum	82	80	83	90	91	79	85	92	85	87	88	87	93	88	86	91	95	92	90	86	83	84	83	84	86	90	92	93	92	89	90	87.6
	Minimum	62	56	56	60	62	68	54	54	70	69	65	67	72	68	69	72	74	75	75	70	66	60	61	59	59	60	63	65	67	72	76	65.4
Macon §§	Maximum	85	81	83	90	90	80	85	93	87	90	91	90	95	94	94	94	96	91	88	85	85	84	86	85	84	89	90	92	96	92	100	89.2
	Minimum	58	57	58	59	67	68	56	60	72	68	69	70	71	65	66	73	76	76	72	66	66	62	61	61	63	64	65	68	70	72	74	66.2
Maryville	Maximum	80	79	82	88	91	88	89	91	88	87	90	89	93	91	96	97	97	92	87	88	84	80	84	88	84	86	88	90	94	91	91	88.5
	Minimum	58	58	60	63	62	63	58	70	73	63	67	62	70	68	68	72	74	74	72	63	64	59	57	65	61	64	65	69	69	71	72	65.6
Mexico §§	Maximum	84	82	84	92	93	78	89	95	90	89	92	95	97	93	97	98	99	95	92	86	84	84	86	90	90	91	94	95	99	95	99	91.2
	Miuimum	60	59	60	59	65	71	58	64	69	68	67	67	72	69	67	73	75	75	75	70	66	62	61	62	65	67	67	68	72	74	74	67.1
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	83	84	85	91	96	88	94	97	93	92	94	93	96	95	99	94	100	95	91	91	87	84	88	92	87	92	92	95	100	97	97	92.3
	Minimum	59	59	63	64	64	59	61	71	73	64	70	70	75	73	72	74	74	75	73	64	65	56	60	65	62	62	67	72	70	76	73	67.3
St. Charles §§	Maximum	84	80	84	90	91	91	85	92	87	83	88	94	96	87	94	97	96	93	92	84	86	84	86	88	91	91	90	94	94	97	98	89.9
	Minimum	67	60	65	65	72	75	75	68	69	69	69	74	78	70	74	77	77	77	81	72	69	63	64	63	63	69	68	70	74	75	74	70.5
St. Joseph	Maximum	82	82	87	91	95	82	93	93	92	90	92	92	94	94	97	97	97	91	83	86	82	83	85	88	83	90	90	96	98	95	96	90.3
	Minimum	62	62	67	67	68	66	61	73	75	68	73	70	76	76	77	77	78	77	72	66	67	61	58	64	64	67	69	74	76	78	76	69.8
Trenton	Maximum	83	82	86	92	93	92	91	95	91	93	92	91	96	95	97	97	98	95	85	91	88	83	87	88	82	87	93	93	98	95	98	91.2
	Minimum	59	59	62	61	64	67	58	71	75	66	66	69	73	72	72	74	72	75	70	67	66	59	57	64	64	62	65	66	73	74	73	66.9
Unionville §§	Maximum	82	80	85	89	90	81	85	95	84	92	91	89	97	88	95	95	96	92	84	89	82	84	85	85	89	91	90	94	91	94	94	88.7
	Minimum	55	50	54	57	60	61	54	56	69	62	64	66	70	64	64	70	72	72	65	65	64	56	53	55	63	60	62	64	65	70	67	62.2
Warrenton	Maximum	91	85	84	92	93	86	85	90	88	85	87	90	92	92	93	94	94	90	92	85	87	81	83	84	88	91	90	92	96	96	98	89.5
	Minimum	50	57	63	67	65	71	59	69	67	67	68	71	79	68	71	76	75	73	69	69	68	62	62	61	64	66	64	67	74	72	77	67.5
Keokuk, Iowa	Maximum	82	79	83	85	89	81	84	90	81	88	90	85	94	82	91	94	96	92	85	88	81	80	79	84	88	88	90	90	92	90	94	86.9
	Minimum	60	58	61	62	68	65	58	67	68	70	71	72	68	69	72	74	80	80	71	71	68	66	64	64	68	68	69	74	76	78	76	68.9
Southwestern Division																																	
Clinton	Maximum	86	83	86	93	91	82	91	95	96	92	91	93	94	96	96	97	97	92	92	81	86	84	87	88	88	89	92	95	98	98	99	91.2
	Minimum	61	62	64	66	70	69	69	74	67	67	71	73	74	74	69	70	74	74	72	69	65	60	61	63	63	64	57	68	70	72	72	67.9
Eldon §§	Maximum	83	81	83	89	88	82	88	91	93	88	88	91	92	92	93	96	96	91	89	79	86	83	85	87	87	87	89	93	95	95	98	89.0
	Minimum	60	60	62	63	62	64	63	66	74	67	66	69	71	72	71	70	70	72	72	71	65	62	59	59	60	64	61	61	66	71	71	65.9
Harrisonville §§	Maximum	85	81	86	92	91	81	90	95	94	92	89	90	92	93	94	94	94	94	91	82	83	82	84	82	80	85	89	92	95	92	97	89.1
	Minimum	58	61	60	65	69	70	66	70	73	65	66	73	74	72	68	70	71	72	74	69	69	60	59	58	61	59	61	67	70	71	71	66.8
Jefferson City §§	Maximum	82	81	83	91	88	81	86	91	92	91	89	92	92	93	93	95	95	91	90	82	86	85	87	86	87	90	91	93	95	96	97	89.4
	Minimum	60	59	61	63	59	64	58	61	71	63	65	68	69	68	69	72	73	72	72	68	63	60	59	58	63	64	60	61	67	72	71	64.9
Joplin	Maximum	82	84	82	88	86	84	86	90	92	83	85	90	92	92	93	95	93	89	90	81	84	80	84	82	90	85	91	93	95	94	96	88.1
	Minimum	68	67	70	73	73	73	74	78	73	69	72	77	78	78	75	74	78	77	72	72	69	68	64	67	70	69	68	71	77	79	82	72.7
Lamar §§	Maximum	84	84	84	90	89	86	89	93	93	87	89	91	92	95	95	96	95	91	93	80	86	83	85	84	88	87	90	94	95	95	96	89.6
	Minimum	59	57	57	60	63	65	65	66	69	62	62	65	70	69	65	65	65	69	70	65	63	58	56	56	58	62	60	60	63	66	70	63.2
Lebanon §§	Maximum	80	82	82	89	88	84	89	88	95	88	88	92	94	95	97	98	97	91	94	78	84	80	87	88	90	90	92	95	90	95	95	89.0
	Minimum	58	56	59	63	65	66	65	67	71	65	64	66	71	68	68	68	71	71	71	67	62	58	57	57	59	61	59	59	67	67	72	64.5
Lexington §§	Maximum	85	82	87	93	93	83	91	94	94	91	92	92	93	93	95	95	97	91	89	86	84	84	87	86	89	92	94	97	93	99	90.5	
	Minimum	63	63	64	68	68	72	64	66	75	69	69	71	72	75	75	75	75	77	77	71	67	63	60	61	64	64	67	68	72	75	75	69.2
Marshall	Maximum	83	87	88	84	90	91	98	97	92	92	93	89	99	99	95	95	96	94	89	88	88	86	89	93	89	87	88	92	96	95	95	91.5
	Minimum	63	61	66	63	67	71	62	74	74	68	73	71	71	72	71	72	75	76	70	70	67	64	60	63	67	66	65	71	74	75	75	68.9
Mountain Grove	Maximum	81	82	79	88	88	85	88	91	92	90	85	91	94	97	97	97	93	91	95	88	87	85	86	89	89	92	90	94	96	97	90	89.9
	Minimum	62	58	60	66	66	65	67	68	70	65	67	68	71	71	70	72	73	69	71	69	63	61	59	62	64	63	62	66	71	70	71	66.5
Neosho	Maximum	86	85	88	90	90	88	88	91	94	94	87	92	92	94	95	95	95	94	93	92	85	84	86	86	91	91	90	95	97	96	98	91.0
	Minimum	58	56	62	64	65	67	69	72	74	69	67	73	74	72	66	65	72	74	74	70	68	59	53	58	61	63	60	63	69	73	75	66.6
Nevada	Maximum	85	84	85	91	90	87	89	93	93	88	90	91	92	96	96	96	96	91	92	87	91	83	87	85	89	89	92	94	97	95	99	90.7
	Minimum	63	60	64	65	69	68	67	72	67	66	68	73	75	71	69	67	71	73	74	69	64	61	57	61	65	64	62	62	68	73	75	67.2
Sedalia	Maximum	85	82	86	90	92	91	90	95	95	94	90	93	94	94	96	97	97	96	93	89	83	84	87	88	88	87	92	95	98	97	100	91.5
	Minimum	57	61	65	66	66	70	62	74	74	66	71	72	74	73	71	71	75	74	75	71	63	60	59	63	67	65	64	69	72	74	75	68.4
Springfield	Maximum	80	82	81	88	87	83	87	90	92	86	84	90	92	94	91	95	94	88	93	82	84	80	83	82	86	84	87	91	93	93	94	87.7
	Minimum	62	60	61	65	67	65	68	69	67	67	68	71	72	72	67	70	73	71	69	69	64	60	59	63	65	64	62	66	69	72	74	66.8
Warrensburg	Maximum	86	82	87	93	91	90	92	95	97	93	89	93	95	95	96	95	95	91	93	89	86	86	87	86	86	88	93	96	100	96	100	91.6
	Minimum	60	61	66	67	69	69	64	75	74	65	71	72	74	73	71	71	75	74	75	71	65	65	57	62	64	64	65	69	71	69	72	68.4
Southeastern Division																																	
Arcadia §§	Maximum	86	83	85	91	92	84	89	93	89	91	92	93	96	96	97	98	97	97	95	83	91	87	85	87	92	92	92	93	99	95	97	91.5
	Minimum	62	54	55	63	63	65	64	65	69	65	63	64	70	68	68	68	69	68	71	68	60	59	56	53	57	59	63	64	66	70	72	63.9
Birch Tree (near)	Maximum	82	83	82	90	91	88	90	94	94	92	89	91	94	98	97	97	95	92	97	94	88	85	84	88	91	90	92	95	98	97	96	91.4
	Minimum	62	55	52	55	63	59	66	67	70	67	64	67	67	68	68	69	69	68	69	67	65	60	57	56	57	60	60	63	64	66	70	63.5
Caruthersville §§	Maximum	88	84	87	91	91	89	90	93	95	91	92	92	94	96	94	95	94	92	96	94	87	86	85	87	92	88	92	93	95	96	96	91.5
	Minimum	70	64	64	65	68	68	71	73	73	75	70	70	72	74	73	73	74	74	74	75	73	68	65	65	66	68	68	70	70	74	75	70.4
Crystal City	Maximum	83	84	84	91	91	84	84	93	84	88	..	93	96	92	93	96	95	90	92	82	90	84	82	86	90	92	91	95	96	97	96	*89.8
	Minimum	64	62	59	63	64	57	56	65	66	67	..	56	61	69	69	71	70	69	71	70	68	70	59	57	57	60	62	63	70	69	71	*64.7
Doniphan	Maximum	87	85	89	93	93	91	92	95	98	95	92	96	97	100	99	99	99	94	99	95	93	90	89	90	95	95	95	98	99	99	95	94.4
	Minimum	67	57	58	60	65	67	70	68	72	75	68	68	68	71	70	69	70	72	70	69	68	63	57	53	56	62	63	65	67	69	69	66.0
Farmington	Maximum	81	80	86	91	90	81	85	92	90	89	90	94	95	94	95	97	95	91	93	84	88	84	82	85	89	92	90	93	97	95	94	89.7
	Minimum	69	70	61	70	63	65	68	67	70	68	69	71	71	71	72	72	75	76	73	71	70	61	65	57	59	66	68	70	76	76	76	69.0
Jackson	Maximum	88	83	87	91	91	91	86	94	93	91	90	93	98	98	96	99	99	96	98	93	91	88	85	90	95	92	94	94	99	99	97	92.9
	Minimum	69	60	62	67	71	71	67	74	69	73	69	73	73	74	71	73	76	75	75	73	73	66	60	57	62	68	66	67	71	72	72	69.3
Poplar Bluff	Maximum	85	86	87	92	93	91	91	95	97	93	92	96	100	102	103	102	100	103	104	93	95	90	90	93	97	96	95	99	101	100	99	95.5
	Minimum	57	61	63	63	67	69	71	72	75	76	69	69	72	74	73	72	73	73	73	74	69	62	62	59	61	65	66	66	68	72	73	68.7
Rolla	Maximum	80	78	81	88	87	80	87	90	92	86	88	90	92	92	93	95	93	88	90	77	85	80	81	84	85	86	86	90	92	93	92	87.1
	Minimum	60	60	63	66	64	65	65	72	66	66	70	69	72	70	73	73	72	71	68	68	65	62	62	62	65	66	64	67	72	72	72	67.2
St. Louis	Maximum	82	78	83	91	90	79	82	92	84	84	89	92	95	88	92	96	97	92	92	85	87	82	83	85	92	90	91	94	95	97	96	88.9
	Minimum	68	66	68	72	73	69	66	66	68	70	73	73	79	69	76	77	80	79	73	72	73	69	70	69	70	72	73	72	79	80	77	72.3
Salem	Maximum	81	81	85	91	91	88	89	93	91	89	89	92	96	96	98	97	96	92	96	89	86	84	84	88	89	90	90	95	98	98	96	90.9
	Minimum	62	57	60	65	64	68	67	71	74	67	65	70	70	70	71	72	72	71	73	70	65	59	60	57	57	59	63	63	66	71	71	70	66.5
Sikeston §§	Maximum	87	97	91	95	97	93	91	97	95	94	93	97	101	97	96	102	100	97	101	92	92	89	88	94	98	93	93	98	101	103	99	95.5
	Minimum	69	59	62	67	70	70	71	73	70	70	72	73	75	71	73	77	74	73	73	71	65	60	59	65	67	67	68	70	73	75	69.4	
Union	Maximum	85	81	84	92	91	83	88	93	88	89	90	94	96	97	97	98	97	94	91	87	92	85	87	89	93	95	94	97	100	100	101	91.9
	Minimum	61	60	61	67	65	71	59	70	68	68	67	71	72	70	71	74	71	73	76	71	65	59	60	58	58	61	64	63	73	70	76	66.9
West Plains	Maximum	82	84	85	91	91	89	90	93	95	89	87	94	96	98	98	98	96	92	96	84	90	87	87	89	92	93	92	93	96	95	92	91.4
	Minimum	61	57	59	66	66	68	70	70	69	63	68	69	69	70	68	70	71	71	72	71	66	62	59	57	57	60	61	66	67	69	72	65.9
Cairo, Ill.	Maximum	86	84	89	93	93	91	89	94	92	91	90	96	98	93	98	95	93	97	89	92	87	87	90	95	92	89	94	96	98	95	92	92.2
	Minimum	70	66	67	70	73	70	70	74	71	76	71	75	77	78	76	76	80	78	78	75	72	70	67	65	70	70	72	71	74	76	77	72.7

*, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 8-26-42—1100.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI AUGUST 1942 No. 8

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GENERAL SUMMARY

August weather was more indicative of early fall than of summer this year. It opened and closed with rather high temperatures, but the remainder of the month was generally moderate to cool and very pleasant, except for a warm period from the 19th to the 22d. Temperature extremes ranged from a high of 106° to a low of 41°, which are not unusual. All three divisions of the State averaged slightly more than one degree cooler than normal, but at a few individual stations the average temperature deficiency for the month was three or four degrees. Warmest days were the 1st and 2d generally, while the 23d, 24th, and 25th were the coolest. It was the coolest August since 1931.

Precipitation averaged slightly more than normal for the State, as a whole, but the distribution was very irregular, monthly totals ranging from 11.19 inches at the wettest station to 1.29 inches at the driest. The Southwestern Division averaged drier than the other two divisions with 3.68 inches, which is one-quarter inch less than normal. The Southeastern Division received the most precipitation, with an average of 5.05 inches, which is 1.23 inches more than normal. The average for the Northern Division was 3.98 inches, 0.23 inch more than normal. The frequency of the August rainfall was often enough to prevent any serious drought periods, although the need for rain occurred over some sections for short intervals.

Only one damaging windstorm was reported during the month, but there was a very heavy rain storm in the Poplar Bluff area on the 22-23d, when 5.67 inches fell at Poplar Bluff.

Crops continued to make good progress during August as the prevailing weather conditions were generally quite favorable, except for brief periods when it became too dry in some sections of the State. Prospects for a large corn crop were very good and early corn matured nicely and was safe from frost damage, while late corn still needed a few more weeks after the close of the month to be safe from damage by frost. An unusually large amount of hay was cut and stored and haying operations were still progressing at the end of the month. Threshing of small grains was completed and fall plowing was in progress. An unusually large acreage of soy beans was planted and these were growing nicely. Harvesting of early peaches, apples, grapes, and plums was underway the latter part of the month. Gardens, truck crops, and pastures held up well, except in the drier areas. Water supplies were adequate for all needs throughout the month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 91 stations reporting, was 75.1°, or 1.4° cooler than normal. The highest monthly mean was 78.2° at Joplin, and the lowest monthly mean was 69.4° at Louisiana. The highest recorded was 106° at Sikeston on the 2d, and the lowest was 41° at Louisiana on the 25th.

PRECIPITATION

The average for the State, 153 stations reporting, was 4.24 inches, or 0.41 inch more than normal. The greatest local monthly amount was 11.19 inches at Poplar Bluff, and the least local monthly amount was 1.29 inches at Memphis. The greatest amount in any twenty-four hours was 5.67 inches at Poplar Bluff on the 23d. The average number of days with 0.01 inch or more was 9.

MISCELLANEOUS PHENOMENA

Eclipse.—Lunar, 25th.

(Continued on page 45)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	29.99*	30.24*	24	29.85*	9	5.6	21	nw.	6	91*	63*	67*	78
Kan. C. Airport	29.97	30.23	23	29.81	21	8.7	37	nw.	6	84	58	60	69
St. Joseph	29.98*	30.25*	23	29.82*	21	7.0	20	n	5	96*	61*	70*	61
St. Louis	30.02*	30.26*	24	29.84*	8	9.4	24	s.	26	78	55	57	78
Springfield	30.01	30.21	24	29.85	7	7.9	28	nw.	8	92	61	69	67
Cairo, Ill	30.02§	30.23	25	29.80	23	5.9	32	n.	6	90	66	..	72
	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 In. or more	Clear	Partly cloudy	Cloudy
1888	74.0	110	45	7.03	5.95	7.84	7.30	0	11	..	..	..
1889	73.5	101	52	1.69	1.65	2.11	1.31	0	14	..	..	..
1890	73.3	106	47	5.13	4.25	7.21	3.93	0	9	..	..	..
1891	73.2	102	38	5.29	5.96	5.14	4.78	0	8	..	..	..
1892	74.3	102	44	2.65	2.24	2.63	3.08	0	6	17	8	6
1893	72.8	100	40	1.99	2.55	1.89	1.53	0	4	18	10	3
1894	77.0	111	39	1.64	1.00	1.59	2.33	0	5	14	16	1
1895	75.3	104	46	4.02	5.45	3.51	3.09	0	8	15	11	5
1896	76.6	108	41	3.13	3.32	3.25	2.82	0	6	17	10	4
1897	74.1	108	41	2.37	2.48	2.23	2.39	0	6	19	9	3
1898	75.8	103	44	3.13	2.93	2.88	3.57	0	5	17	10	4
1899	78.8	107	49	3.13	4.19	2.76	2.45	0	7	18	10	3
1900	80.3	105	52	3.55	2.99	4.79	2.87	0	6	19	9	3
1901	78.4	109	47	2.05	1.12	2.74	2.29	0	5	19	9	3
1902	75.0	103	47	6.06	5.66	6.79	5.74	0	10	14	11	6
1903	74.5	102	43	5.00	6.54	5.01	3.44	0	10	16	11	4
1904	73.7	100	43	5.40	5.61	5.84	4.76	0	8	16	10	5
1905	76.4	99	48	4.68	4.19	5.90	3.94	0	8	19	7	5
1906	76.6	101	40	4.70	3.99	5.10	5.01	0	11	14	10	7
1907	77.3	109	47	3.89	3.92	3.90	3.85	0	9	17	8	6
1908	76.4	102	46	3.46	3.63	3.61	3.14	0	8	17	9	5
1909	79.5	110	40	0.60	0.31	0.67	0.81	0	2	24	6	1
1910	74.7	103	40	2.92	2.63	3.56	2.57	0	6	15	9	7
1911	75.4	109	41	4.33	2.81	4.97	5.21	0	7	15	8	8
1912	76.2	104	41	4.04	4.77	3.42	3.93	0	9	17	8	6
1913	82.8	110	41	1.09	1.24	0.67	1.37	0	3	22	7	2
1914	78.0	106	49	4.25	3.73	4.53	4.48	0	9	15	9	7
1915	69.8	98	37	8.19	4.99	7.57	12.02	0	12	12	9	10
1916	79.2	107	41	4.09	5.39	2.55	4.33	0	7	19	7	5
1917	73.3	104	38	4.69	3.13	5.04	5.89	0	9	16	8	7
1918	81.8	111	45	3.57	3.22	2.91	4.59	0	8	17	9	5
1919	75.7	106	44	4.33	4.41	4.47	4.12	0	8	17	9	5
1920	73.1	102	43	4.69	3.56	5.94	4.56	0	9	15	8	8
1921	76.8	109	48	5.39	5.16	6.42	4.60	0	9	14	10	7
1922	77.5	107	46	2.44	2.68	1.67	2.97	0	6	18	8	5
1923	77.3	108	42	3.81	5.47	1.87	4.08	0	8	16	9	6
1924	77.2	106	48	4.11	3.66	4.50	4.18	0	7	19	8	4
1925	76.5	107	45	3.34	5.31	2.60	2.10	0	6	19	8	4
1926	77.5	106	50	5.65	4.03	6.39	6.53	0	10	15	9	7
1927	71.1	97	39	5.09	4.19	7.04	4.04	0	9	14	10	7
1928	76.4	99	45	5.48	4.37	6.75	5.33	0	9	15	10	6
1929	76.0	105	43	2.58	1.84	2.21	3.69	0	6	18	9	4
1930	78.5	114	47	1.99	2.39	1.87	1.70	0	6	16	10	5
1931	74.9	106	44	4.97	4.03	5.66	5.21	0	9	15	9	7
1932	77.2	106	46	5.70	7.82	3.86	5.42	0	9	18	9	4
1933	75.4	103	48	3.82	4.32	3.80	3.33	0	9	13	10	8
1934	80.6	115	41	4.01	3.36	2.83	5.83	0	9	14	11	6
1935	77.7	110	45	2.20	1.60	2.73	2.26	0	6	17	9	5
1936	84.6	116	43	0.84	0.90	0.91	0.72	0	4	20	8	3
1937	80.5	105	51	2.05	2.50	2.00	1.64	0	5	17	11	3
1938	81.1	108	53	2.62	4.62	1 78	1.47	0	6	20	8	3
1939	75.4	106	45	4.80	6.30	3.76	4.34	0	9	15	11	5
1940	75.6	107	45	5.78	5.47	7.21	4.67	0	12	10	12	9
1941	79.2	106	49	3.15	2.37	3.53	3.56	0	8	15	11	5
1942	75.1	106	41	4.24	3.98	3.68	5.05	0	9	14	10	7
.....	....	...	..	....	....	....	....	..	..	..	..	..
Period	76.5	116	37	3.83	3.75	3.93	3.82	0	8	17	9	5

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Climatological Data for August 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	73.8	.....	100	1	48	24	13	5.22	+1.62	1.43	13-14	0	9	19	8	4	s.	Curtis E. Grace
Bethany	Harrison	916	47	74.0	− 1.0	98	1	48	24	49	4.00	+0.18	0.96	7	0	9	12	13	6	se.	A. S. Cumming
Brookfield	Linn	767	1	73.5	.....	95	1†	47	24	1	4.20	.....	1.49	14	0	5	17	11	3	sw.	E. W. Patrick
Brunswick	Chariton	652	61	75.6	+ 1.4	98	1	52	24†	63	2.31	−1.63	0.99	7-8	0	9	19	4	8	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	74.5	.....	96	1	46	24	12	3.21	+0.05	2.72	26-27	0	7	13	13	5	sw.	Lockmaster
Chillicothe	Livingston	779	33	73.9	− 1.6	92	27†	52	24	36	3.75	−0.21	1.14	3	0	7	23	2	6	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	74.6	− 1.4	98	2	48	24	33	4.17	+0.37	1.85	26	0	7	16	5	10	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	75.4	− 0.9	98	1	54	24	52	3.73	+0.13	1.48	2-3	0	9	11	14	6	s.	U. S. Weather Bureau
Conception	Nodaway	980	53	74.5	− 0.2	98	1†	51	23	58	6.74	+3.10	2.03	25-26	0	10	8	18	5	se.	Fr. Adelhelm Hess
Elsberry	Lincoln	449	11	73.4[a]	− 3.1	98	2	45	24	11	1.88	−1.38	0.62	14-15	0	7	11[a]	18[a]	1[a]	sw.	Ray E. Mills
Fayette	Howard	760	62	73.7	− 2.2	96	1	49	24	59	4.45	+0.89	1.43	26	0	7	20	7	4	s.	Irvin E. Schnell
Fulton	Callaway	818	54	74.8	− 1.6	97	1	49	24	50	3.60	−0.05	2.05	3	0	8	19	6	6	e.	Robert T. Wise
Grant City	Worth	1,134	38	73.6	− 1.3	97	1	50	23†	50	6.86	+2.92	2.78	25-26	0	11	13	8	10	se.	Howard Rybolt
Hannibal	Marion	759	50	73.2	− 1.8	95	1	48	24	58	2.40	−0.94	0.69	14	0	7	19	7	5	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	76.8	+ 0.2	97	1	58	23	53	5.80	+1.71	2.53	25-26	0	9	14	7	10	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	75.6	.....	96	1	55	24	4	8.47	.....	3.37	25-26	0	9	11	8	12	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	73.7	− 1.7	98	1	51	24	54	5.16	+1.20	1.70	3-4	0	11	17	7	7	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	74.3	+ 0.3	98	1	45	24	60	2.78	−1.34	1.51	14	0	6	15	12	4	sw.	Howard Coons
Lawson	Ray	1,070	4	74.6	.....	97	1	52	23†	4	7.92	.....	2.55	13-14	0	9	19	7	5	sw.	Frank G. Gstrein
Louisiana	Pike	469	48	69.4	− 5.5	91	1	41	25	61	2.42	−2.12	1.10	3	0	7	17	13	1	w.	Stark Bro's Nurseries
Macon	Macon	875	43	74.1	− 2.0	96	1	47	24	49	3.43	−0.38	1.38	3	0	9	17	5	9	sw.	John W. Atwell
Maryville	Nodaway	1,169	52	73.6	− 0.2	98	1	51	23	48	8.58	+4.60	2.81	25-26	0	11	14	9	8	sw.	R. B. Montgomery
Memphis	Scotland	787	3	73.3	.....	96	1	44	25	12	1.29	−2.68	0.84	7-8	0	5	13	12	6	sw.	John W. Alexander
Mexico	Audrain	800	53	75.0	− 1.0	100	1	47	24	64	2.15	−1.70	0.75	15	0	8	19	4	8	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	...	.....	....	.....	....	..	..	..	..	.....	.....
Oregon	Holt	1,048	86	76.0	+ 0.8	101	1	52	23	86	7.33	+3.53	4.20	25-26	0	8	10	18	3	se	Miss Mina Wright
St. Charles	St. Charles	520	54	75.7	− 1.1	100	1†	52	24	64	3.25	−0.99	1.41	15-16	0	7	23	7	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	75.5	− 1.0	99	1	56	23	70	4.76	+0.93	1 22	25-26	0	12	14	7	10	s	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	74.4	.....	97	1	51	24	4	2.98	.....	0.59	15	0	10	14	14	3	s.	Lockmaster
Shelbina	Shelby	779	1	74.2	.....	97	1	45	24	49	7.13	+3.41	2.40	8	0	7	13	10	8	se.	Guyman Hatcher
Steffenville	Lewis	650	44	73.6	− 2.9	95	1†	45	24	49	2.56	−1.48	1.43	26-27	0	8	21	7	3	sw.	Samuel D. Gross
Tarkio	Atchison	916	39	74.0	− 1.2	100	1	50	23	48	5.40	+1.50	2.10	25-26	0	7	13	11	7	sw.	Albert Volker
Trenton	Grundy	822	46	74.8	− 0.4	100	1	50	24	47	2.99	−0.89	1.12	7	0	6	17	11	3	s.	W. H. Estes
Unionville	Putnam	1,062	49	72.4	− 2.4	98	1	45	24	49	2.97	−1.31	1.75	14-15	0	7	16	12	3	sw	C. D. Wilson
Warrenton	Warren	816	60	74.2	− 2.3	97	1†	48	24	52	2.78	−0.89	1.34	14-15	0	6	21	4	6	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	70	75.0	0.0	96	1	52	24	70	1.55	−1.65	1.15	26	0	4	18	6	7	s.	U.S. Weather Bureau
Division means and extremes		.....	..	**74.2**	**− 1.3**	**101**	**1**	**41**	**25**	..	**3.98**	**+0.23**	**4.20**	**25-26**	**0**	**8**	**16**	**9**	**6**	**sw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	38	75.0	− 2.7	99	2	51	17	43	5.46	+1.34	2.27	14	0	7	11	18	2	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	75.5	− 2.3	97	2	54	24	50	3.22	−0.74	1.03	6-7	0	10	14	5	12	sw.	Rolla Brown
Bolivar	Polk	1,071	39	75.6	− 1.3	98	2	56	24	47	3.23	−0.63	0.87	4-5	0	14	15	14	2	sw.	Southwest Baptist College
Boonville	Cooper	650	4	72.4	.....	95	1	49	24	65	2.70	−1.85	1.06	27	0	10	16	9	6	se.	Boonville Water Dept.
Carthage	Jasper	962	8	76.7	.....	98	2	55	24	18	5.42	.....	2.15	7-8	0	9	16	6	9	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	76.0	− 1.6	100	2	55	13†	55	3.03	−0.62	1.10	10	0	11	9	15	7	e.	U. S. Weather Bureau
Eldon	Miller	934	47	74.5	− 1.9	98	2	52	24	43	7.15	+3.49	4.40	3-4	0	11	13	11	7	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	76.4[a]	.....	97	1	53	24	1	3.02	.....	1.56	4	0	7	10	15	6	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	74.4	− 1.5	95	1	54	23	67	3.58	−0.60	1.61	26-27	0	10	8	7	16	s.	John H. Patterson
Jefferson City	Cole	557	52	73.4	− 3.3	98	2	50	24†	60	3.76	−0.07	1.55	3-4	0	11	19	2	10	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	78.2	+ 0.9	99	2	60	24	37	3.91	−0.06	1.13	14	0	8	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	76.0	− 3.1	99	2	54	24	11	6.14	+2.97	1.54	5	0	12	10	12	9	sw.	W. S. Frame
Lamar	Barton	980	54	73.7	− 4.0	98	2	51	24†	61	4.05	−0.24	2.15	4	0	8	19	7	5	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	74.1	− 2.0	97	1†	51	24	55	2.57	−1.92	1.05	4	0	10	11	6	14	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	76.3	+ 0.1	97	1†	55	24	58	2.47	−1.05	0.92	26-27	0	11	20	10	1	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	76.8	− 0.4	101	2	55	24	46	4 24	−0.46	1.45	10-11	0	12	14	14	3	sw.	Hubert A. Nieman
Marshall	Saline	779	55	76.6	+ 0.6	97	27†	51	24	52	3.29	−0.61	1.80	14	0	8	15	13	3	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	74.6	− 0.9	96	1†	52	23	45	3.27	−1.07	0.70	14	0	10	7	21	3	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	75.7°	− 1.0	101	2	52	24	42	4.47	−0.01	2.00	14	0	6	5°	14°	9°	se.	G. H. Boswell
Neosho	Newton	1,011	55	77.2	+ 0.1	98	2	52	24	59	5.70	+1.33	2.96	4	0	9	12	14	5	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	77.0	− 0.1	101	2	56	24†	50	4.17	+0.40	1.36	4	0	11	17	8	6	sw.	Henry Kraft
Ozark Beach	Taney	700	2	77.2	.....	101	2	55	23	17	4 84	+0.51	1.90	15	0	10	9	16	6	s.	V. Smith
Sedalia	Pettis	910	29	76.4	− 0.1	99	1†	54	23†	31	1.48	−3.70	0.35	22	0	8	14	8	9	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	74.2	− 2.0	95	2	52	13	39	3.44	−0.56	1.15	4	0	6	20	8	3	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	74.2	− 0.8	95	2	51	24	36	1.48	−2.76	0.33	4	0	9	15	12	4	s.	A. L. Hailey
Springfield	Greene	1,301	54	74.7	− 1.0	95	2	55	24	54	2.91	−1.18	0.81	3-4	0	12	8	13	10	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	75.8	.....	99	1	47	24	1	2.20	.....	0.59	31	0	7	15	15	1	s.	H. F. Nelson
Warrensburg	Johnson	878	55	76.8	− 0.3	101	1	52	24	62	1.40	−2.57	0.34	7	0	8	10	11	10	e.	E. A. Markey
Warsaw	Benton	687	41	76.9	− 0.7	103	2	55	24	47	3.26	−1.36	1.01	22	0	10	7	20	4	e.	Everett Martin
Wasola	Ozark	1,294	1	75.4	.....	102	2	54	24	2	4.91	.....	1.61	14-15	0	12	16	12	3	s.	A. W. Pinckney
Division means and extremes		.....	..	**75.6**	**− 1.2**	**103**	**2**	**47**	**24**	..	**3.68**	**−0.25**	**4.40**	**3-4**	**0**	**10**	**13**	**12**	**6**	**s.**	
Southeastern Division																					
Advance	Stoddard	354	5	75.4	.....	102	2	51	25	5	10.30	.....	3.27	22-23	0	11	9	10	12	s.	U. S. Weather Bureau
Arcadia	Iron	926	61	73.2	− 1.1	102	2	46	24†	64	1.80	−2.57	0.67	7	0	8	16	12	3	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	73.4	− 2.7	102	2	49	25	48	4.94	+0.18	1.21	15	0	9	18	8	5	.....	V. H. Kirkendall
Bragg City	Pemiscot	261	0	76.6	.....	100	1	54	25	11	5.79	+2.30	1.73	22-23	0	8	18	8	5	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	77.4	+ 0.2	101	1†	55	25	16	6.94	+0.96	2.36	22-23	0	11	9	19	3	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	76.2	− 4.1	99	2	56	25	50	6.73	+3.04	2.70	23	0	7	13	11	7	se.	Victor T. Malloure
Crystal City	Jefferson	420	8	73.6	.....	99	1	46	24	8	1.34	.....	0.65	15	0	4	7	15	9	se.	Frank Magre
Doniphan	Ripley	344	38	76.2	− 1.4	101	2	51	25	38	9.01	+4.77	4.86	22-23	0	10	22	5	4	sw.	Boyce Lackey
Farmington	St. Francois	896	31	75.9	+ 0.5	99	1	50	25†	45	2.59	−1.71	1.53	4	0	7	10	9	12	s.	F. M. Karsch
Goodland	Iron	1,000	49	74.2	− 0.3	101	1†	46	24†	49	2.07	−2.17	0.80	6	0	5	20	7	4	s.	F. M. Adams
Greenville	Wayne	381	33	....	.....	..	..	..	..	35	....	.....	....	.....	....	..	..	..	..	.....	Beuford Shoemake
Jackson	Cape Girardeau	428	51	76.4	+ 0.3	101	1	51	25	52	5.27	+1.19	2.55	23	0	7	9	7	15	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	....	.....	101	1	..	..	28	2.91	−0.69	1.50	15	0	6	17	8	6	s.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	75.6	− 2.3	98	2	55	25	42	8.22	+4.06	3.53	23	0	9	7	9	15	sw.	R. M. Hitt

Continued on next page

Climatological Data for August 1942 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr. Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Precipitation, in inches Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Number of days With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	74.8	....	97	1†	45	24	5	2.32	.....	1.30	4	0	10	21	6	4	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	73.2	− 3.8	101	2	43	25	49	7.81	+3.69	2.50	4	0	8	12	14	5	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	77.0	− 1.0	103	2	54	25	38	11.19	+6.62	5.67	23	0	7	17	7	7	s.	B. R. Wheetley
Rolla	Phelps	1,202	42	74.4	− 1.8	94	1	52	24	58	4.65	+0.21	2.50	3–4	0	9	10	12	9	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	76.8	− 0.7	98	2	56	25	105	3.60	+0.61	1.74	6	0	6	15	7	9	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	75.2	− 1.2	100	1	51	24	11	3.75	+0.73	1.48	6	0	6	15	11	5	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	76.6	− 1.2	100	1	57	24†	30	3.80	−0.14	1.92	6	0	5	22	6	3	se.	St. Louis University
Salem	Dent	1,173	38	75.4	− 0.5	98	1†	47	24	41	1.71	−2.86	0.49	15	0	8	18	9	4	s.	E. E. Martin
Sikeston	Scott	318	35	76.6	− 1.0	106	2	53	25	45	6.27	+2.47	3.85	23	0	8	12	13	6	s.	Mrs. Hazelle P. Young
Union	Franklin	520	4	75.2	.....	102	2	46	24	25	3.06	−1.64	1.44	15	0	4	17	8	6	s.	Robert Mueller
Wappapello Dam	Butler	475	3	76.4	....	101	1†	54	25	3	9.25	.....	4.63	23	0	15	11	14	6	sw.	U. S. Engineer Office
Weiugarten	St. Genevieve	833	1	....	.....	..	..	..	..	2	....	.....	....	.....	....	..	..	..	..	.....	.....
West Plains	Howell	1,005	5	74.7	.....	98	2	53	24	5	4.83	.....	....	.....	0	10	5	19	7	sw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	74.2	.....	100	2	51	25	35	4.02	−0.06	1.52	14–15	0	10	17	11	3	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	77.4	− 0.4	100	1	56	25	71	5.05	+2.03	3.20	22–23	0	13	7	12	12	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	75.5	− 1.3	106	2	43	25	..	5.05	+1.23	5.67	23	0	8	14	10	7	s.	
State means	**and extremes**	.....	..	75.1	− 1.4	106	2	41	25	..	4.24	+0.41	5.67	23	0	9	14	10	7	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 43)

Fogs.—Dense, 4th, 5th, 6th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 20th, 21st.

Hail.—Light, 7th at Kirksville; 8th at Bolivar and Shelbina; 10th at Macon.

Halos.—Solar, 8th, 14th, 26th, 31st.

Thunderstorms.—Local, 2d, 4th, 5th, 8th, 9th, 10th, 11th, 13th, 14th, 15th, 19th, 21st, 22d, 23d, 25th, 27th, 28th; more or less general, 3d, 6th, 7th, 26th.

Windstorms.—On the 7th a windstorm struck at St. Charles and in St. Louis County with damage at both places to trees and buildings.

ERRATA

June 1942, page 32: Greatest precipitation in 24 hours at Kansas City Airport should be 2.51.

July 1942, page 37: Percentage of sunshine at St. Louis should be 82. Page 38: Date of maximum temperature, total precipitation, and number of days with .01 inch or more at Advance should be 16, 0.75, and 9 respectively. Page 39: Mean temperature, date of maximum and minimum temperatures at West Plains should be 78.7, 15, and 24 respectively. Page 41: Precipitation on 8th at Advance should be blank, total precipitation should be 0.75. Page 42: Minimum temperature at West Plains on 4th and 10th should be 61 and 69 respectively, mean minimum should be 66.0.

Daily Precipitation for August 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand			.22			1.09	.52			.60			.75	.68												.72	.60		.04			T.	5.22
Amity[2]	do			.97	.01		1.07	.08	.07			.04			.90	T.											.96	.37	T.				4.47
Bethany	do			.39			.79	.96			.05			.36	.12												.93	.38				.02	4.00
Bowling Green[2]	Mississippi			1.37		.07	.08	.20	.07							.18											.36						2.33
Brookfield	Grand			.39			.50	.38	T.		T.				1.49												1.44						4.20
Brunswick[2]	do			.17		T.	.53	.37	.62	.12		.22			T.	.07							T.				.06	.15					2.31
Canton, Lock No. 20[2]	Mississippi			.14	T.		.01	.16	.13	T.						.05											.12	2.60					3.21
Centralia[2]	do			1.19			.21	.15	.06	.25						1.05											.03	1.27					4.21
Chillicothe[2]	(A)			1.14	T.		.57		.38						.91	.27											.04	.44					3.75
Clifton Hill	Chariton			.18			.36	1.08	.36						.30								.04				1.85						4.17
Columbia [1‡]	Missouri		.90	.58	.05		.14	.14	.53		T.				.47							T.	.12				.80						3.73
Conception	do		.11	.43			.89	.81	T.		.45			1.16	.72											.82	1.21	T.	.14				6.74
Edina[2]	Mississippi			.14			.04	.40	.10						.12	.23												.82					1.85
Elsberry	do			.40			.46	.18	.14						.17	.45											.08						1.88
Farber[2]	do			1.82			.08	.10	.82							.46							T.				.70		T.				3.98
Fayette	Missouri			.52	T.		.24	.07	.09		T.				1.20								.90				1.43						4.45
Fulton	do			2.05	.20		.28	.09		.10					.36								.05				.47						3.60
Gallatin[2]	Grand			1.00	T.		.67	.04	.60			T.			1.15												.37						3.83
Grant City	do		.36	.02			.67	.52			.09			1.66	.33											.92	1.86	.28	.15				6.86
Hannibal[3]	(A)			.11			.09	.25	.38						.69												.64		.24				2.40
Hermann[2]	Missouri			.20	.54	.05	.12	.45	.04							.80	.63											.06		.22				3.11
Kahoka[2]	Mississippi							.09	.28						*	.32											*	.75					1.44
Kansas City Airport [1‡]	Missouri		1.16	.30	T.		.32	.09			.30			.40	.70											.84	1.69						5.80
Kansas City University	do			1.50	.01		.47	.19			2.84			.01	.08											.85	2.52						8.47
Kidder[2]	Grand			1.68	.02		1.02	.04	.07	.19		.03			.88	.40											.40	.43					5.16
King City	Missouri			.55			.68	.37			.43			.87	.33											1.35	.78						5.36
Kirksville	Mississippi			.10			.10	.91	.06						1.51												.10						2.78
LaBelle[2]	do			.42				.65	.33						*	.52											.02	1.02					2.96
Lawson	Missouri			1.47	.03		1.25	.75			.42			.03	2.52											.50	.95						7.92
Linneus[2]	Grand			.87			.37		.67			T.			1.12	.30							.09				.18	.21					3.81
Louisiana[2]	(A)			1.10				.15	.33	.56					.20												.04		.04				2.42
Lucerne[2]	Grand			.02			.16	.65							3.93	.03											.12	.10	.58				5.59
Macon[2]	Chariton			1.38			.17	.02	.53	.18		.29			.07	.02											T.	.77					3.43
Madison[2]	Mississippi			.51			.11	.27	.48	.76													.02				1.13			.01			3.29
Maryville	Missouri		.24	.05			.97	.44			.06			1.66	.73											.85	1.96	.68	.94				8.58
Memphis[2]	Mississippi							.26	.58						*	.24												.21					1.29
Mexico[2]	do			.43			.15	.20	.20	.10						.75											.02	.30					2.15
Milan[2]	Grand			.23			.18	1.52	.45						1.12	.28												.18					3.96
Moberly	Mississippi																																
Monroe City	do			.63			.14	.88	.64						.84												.67	.16					3.96
New Florence[4]	Missouri		.06	.02	.06		.12	.06	.04						.69	1.13							T.				.06		.02				2.26
Oregon	do			.60				.03	T.		.17			.88	.22											1.40	2.80		1.23				7.33
Palmyra[2]	Mississippi			.35			.07	.03	.35	1.20						.60								.25			.06	.15		.10			3.16
Paris[2]	do			.52			.11	.27	.43	.74						.80							T.	T.			T.	1.84		.01			4.72
Perry[2]	do			1.25			.15		.15	.25						1.15												.85					3.80
Philadelphia[2]	do			.32						1.18						.51												1.92					3.93
St. Charles[2]	Missouri			.40	.22		.12		.88	.22						1.27	.14																	3.25
St. Joseph [1‡]	do		.57	.61	.01	.48	.53	.28	T.		.04			.51	.08											.86	.36	.43					4.76
Saverton, Lock No. 22[2]	Mississippi			.42			.08	.12	.53	.48						.59											.02	.45		.17			2.98
Shelbina	do			1.01			.09	1.58	2.40						.54												1.17	.34					7.13
Shelbyville[2]	do			.18						.30	1.05					1.37												2.15					5.05
Steffenville	do		.01	.38			.01	.27	.07						.39												1.39	.04					2.56
Tarkio	Missouri		.17				1.56							.20												.82	1.28	.56	.81				5.40
Trenton	Grand			.42			.62	1.12			.21				.39												.23						2.99
Troy[2]	Mississippi			.30	.05			.12	.60							.30	.26											.01					1.64
Unionville[2]	Chariton						.09	.84							1.71	.04											.10	.04	.15				2.97
Warrenton	Mississippi			.44	.08		.88								.53	.81											.04						2.78
Keokuk, Iowa[3]	do		T.				T.	.27	.06		T.				.07											1.15	T.					1.55
Southwestern Division																																	
Altona[2]	Osage				T.			.79		T.		.16			T.	.85								.40			.87						3.07
Anderson (near)	Neosho			.01	1.53	.08		.62				.26		T.	2.27	.69							T			T.							5.46
Appleton City	Osage				.06		.43	.60	.38	.13	.70				.30								.07			.30	.25						3.22
Bolivar	do			.42	*	.87	.11	.05	.30	.30	.12	.31			.33	.05							.30	.06			.01		T.				3.23
Boonville[2]	(A)			.06			.30	.17				.05			.62	.18							.02	.20			.04	1.06					2.70
Buffalo[2]	Osage			1.01	.42			.10	.08	.22		.26			.07	.46	.02										.01						2.65
Butler[2]	do				.01			.03	.47	3.26	.04	.09			.14									1.53			.70						6.27
Caplinger Mills[2]	do			.30	.48	T.		.30	.05	.73		1.48			.09	.35	T.							.26			.06						4.10
Carthage	Neosho			.15	.80		.01	1.05	1.10			.25			1.39	.52							.15										5.42
Clinton[4]	Osage		T.	.21	.06		.17	.29			1.10			.12	.49							.02	.10			.07	.40					3.03
Concordia[2]	Missouri																																
Crocker	Osage			1.03	3.73		.29	.06							.10		.06							2.46									7.73
Eldon[2]	Missouri			1.50	2.90		.40	.44				.19			.13	1.45	.05					.03	.05			.01							7.15
Eldorado Springs	Osage			.73	.07	.11	.19	.61	.29	.09		1.90			.17	.13										*	.25						4.54
Fort Leonard Wood	Gasconade			.15	1.56		.47	.03				.03			.61	.17																	3.02
Galena[2]	White				.52	.24			.57			1.02				.15	1.19																	3.69
Hailey	do			T	1.38				.42		.90				.07	.83						.27												3.87
Harrisonville[2]	Osage			.21		.11		.67			.02	.19			.03	.64											.10						3.58
Higginsville[2]	Missouri																																
Jefferson City[2]	do			.45	1.10	.51	.02	.06				.03			.02	.81	.15										.60						3.76
Joplin[3]	Neosho			.53	.47		.26	.69			.36			T	1.13	.37										.10						T.	3.91
Lakeside[2]	Osage			.60	1.38	1.54	.61	.01	.13			.02			.07	.90	.02							.45	.41									6.14
Lamar[2]	Neosho				2.15			.10	.45			.10				.50	.10								.25			.40						4.05
Lebanon[2]	Osage			.30	1.05	.35		.22	.35	.02		.18			.03	.04	.03																	2.57
Lexington[2]	Missouri			.32	.15	.06	.22	.49	.03			.17			.06	.05											.28	.64					2.47
Lockwood	Osage			T.	.60		.02	.11	.03	.40	.53	.92			.63	.11							.70	.11			.08						4.24
Manes[2]	Gasconade																																
Marshall	Missouri			.22	.01		.44	.09	.15			.06			1.80							T.	T.				.52						3.29
Mountain Grove	White			.28	.40	.03		.18	T.	.33		.14			.70	.66	.41										.14						3.27
Mount Vernon	Neosho				1.05		T.	.50	.45						2.00	.35	T.										.12						4.47
Neosho	do			T.	2.96			.01	.61			.31			.35	1.33	.10					T.				*	.03					T.	5.70
Nevada	Osage			.12	1.36	T.	.27	.17	.43	.50		.15			.13	T.							.12			.80	.12						4.17
Osceola[2]	do			.14	.05			.95	.07	.07	T.	.10			.45	.08								.45			.05						2.41
Ozark Beach[2]	White			.04	.36	.19			.06	.03		.60				1.90	.56						.90	.20									4.84
Pleasant Hill[2]	Osage			.13	.36	.03	.18	.58	.19	T.		T.			.07	.16								T.			1.33	.70					3.73
Roby	Gasconade			.43	.44				.10	.08		.03			T.	.45	.11																	1.64
St. Thomas (near)[2]	Osage				.61	.54									.20	.36																	1.74
Sedalia	Missouri			.12			.08	.09			.17	.16			.34								.35				.17						1.48
Seligman	Neosho				1.15	T.		.19	.32			.44			T	.92	.42																T.	3.44
Seymour (near)	White			.10	.33			.20	.02	.23		.20			.02	.20	.18																	1.48
Springfield [1‡]	do			.79	.02		.22	.26	.31	.40	.18				.31	.09	.10					.22				.01	T.		T.			T.	2.91

Continued on next page

Daily Precipitation for August 1942 (Continued from preceding page)

Stations	Drainage-basins	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Stover[2]	Missouri			1.40	.14	.23	.30	.24				.22				.20							.20										2.93
Sweet Springs	do			.59	T.		.32	.10			T.	.02			.59								.17			41						2.20
Warrensburg	do			.17	.02		.13	.34			.05				.28								.12			T.	.29					1.40
Warsaw (A)	Osage			.53	.99		.19	.10			T.	*	.14		.18	.11						T.	1.01				.01	T.				3.26
Wasola	White			.16	*	.28	.05	.15	.21			1.26			.54	1.07	.41						*	.78									4.91
Waverly[2]	Missouri						.72	.43	.13			.10				.60											.08	.73					2.79
Southeastern Division																																	
Advance[4]	St. Francis		.45	1.82	1.58		1.07	.20	.91			.08				.12	.80						1.14	2.13									10.39
Alton (near)	Black			1.31	1.60		.36	.26		.11		.22				1.25	.67							2.64									8.42
Annapolis	St. Francis				.69			.35	1.02							.31								.46									2.86
Arcadia[2]	do				.18	.08		.67	.10							.25	.13	.07						.32									1.80
Belleview	Meramec				.36		1.06	1.66								.30	.40																3.78
Birch Tree (near)	Black			1.20	.48		.45	.15		.29		.12				1.21	.47							.57									4.91
Bragg City	St. Francis				.27		.21	1.06				.90				T.	1.61		.01	T.		T.		*	1.73			T.					5.79
Campbell	do				.01	.15	.62	1.29		.03		2.25	.02				.18	T					.06	2.30				.03					6.94
Cape Girardeau[2]	Mississippi	.04		.31	1.78	.82		.81	.02	.03	.02	T.	T.				.38	.23						2.30									6.74
Carruthersville[2]	do				T.	.30		.77				.66	.25				1.70	.35						2.70									6.73
Centerville[2]	Black	.20			.10	.15		1.20	.16							.61	.25	.02						.31									3.60
Crystal City	Mississippi				.53		.12	.04								.65																	1.34
Deering[2]	St. Francis					.30		1.39	T.			1.45	.05				.73	.50						1.89					T				6.31
Dexter[2]	do				.35	.06		1.12	.03	1.38	.12	.30	.28				.15	.11				T.		3.31									7.21
Doniphan	Black			.10	.70		.30	.40		.58		1.27				.62	.18						.16	4.70									9.01
Farmington	St. Francis				1.53		.25	.12	.32							.23	.08							.06									2.59
Fisk[2]	do				.27	T.	.21	1.72	.16			.32	.23				.61	.22						3.86				.06					7.66
Fredericktown[2]	do				2.05	1.17		.33	.15	.04							.19	.05						.60									4.58
Gerald[2]	Meramec				1.00	1.09										.47								.15									2.71
Goodland	Black				.15		.80	.22								.78	.12																2.07
Greenville	St. Francis																																
Jackson	Mississippi				1.81			.23	.31	.10						.06	.21							2.55									5.27
Jefferson Barracks	do			.30	.10		.90	.10								1.50											.01						2.91
Jerome[2]	Gasconade				2.05	.93	.33		.21							.25	.32							3.53									4.09
Koshkonong	Black				.34		.82	.22		.15		.13	.28			1.39	1.36							1.71									8.22
Leeper[2]	do				1.30	.30		.80					.40				.80																5.31
Licking (near)	Gasconade		T.	.10	1.30	.02	.01	.31	.07			.10			.10	.16	.15																2.32
Marble Hill	Mississippi		T.		2.50	.10		.26	1.38	.60						.39	.28							2.30									7.81
Meramec Park[2]	Meramec					.68										.21	.83																1.72
Morehouse	Mississippi		.20		.65	.87		.82				.32	1.26				.17							4.30									8.59
New Madrid[2]	do				.61	.03		.36	.08			.18	.44				.05	.08						2.66									4.49
Owensville[2]	Gasconade				1.35	.35	T.	.11								.81	.31																2.93
Pacific[2]	Meramec			.70			.75	T.								.90	T										T.						2.35
Parma[2]	St. Francis				.04	.25		.78		.60		.55	.60					.12						3.20									6.14
Perryville[2]	Mississippi				1.34	.81		.18	.20							.82	*	.21						.99									4.55
Poplar Bluff[2] (A)	Black				.72	T.		1.38	T.	.38		1.97					1.01	.06						5.67									11.19
Richwoods[2]	Meramec					.55										.80	.90							.40					T.				2.65
Rolla[4]	do		.96	2.21	.68		.13	.01				.50			.52	.31							.23										4.65
St. Louis:																																	
City Office[1‡]	Mississippi		T.		.18	.01	T	1.74	.13						.03	1.51							T.				T.						3.60
Airport[4‡]	Missouri		.27		.48	T.	T.	1.48	.17						.04	1.31					T.						T.						3.75
St. Louis Univ.[3‡]	Mississippi		T.		.08	T.		1.92	.16						.15	1.49											T.						3.80
Washington Univ.[2‡]	do				.22	.08	.01	.38	1.17	.06						1.05	.43																3.40
Salem	Meramec				.14	.04		.25	.41	.07					.17	.49	.14					T.											1.71
Sikeston[2]	Mississippi	T.			.21	1.55		.16	T.	T.	.25	T.	.08				.13	.04						3.85									6.27
Union	Meramec				.36	1.01		.25								1.44																	3.06
Valley Park[2]	do				.08	.30	.08		.47	.18						.67	.43																2.21
Van Buren	Black				.35	.30		.49	.44				.16			.47	1.58							1.73									5.52
Wappapello Dam[2]	St Francis	.01			.25	.32	.55		2.11	.08	.10	.02	.20	.28		.02	.50	.17						4.63				.01					9 25
Weingarten[2]	Mississippi																																
West Plains[4]	Black			T.	.06		.54	.03		.21	.23	.01			.20	1.55	.60					T.	1.40				T.						4.83
Williamsville[2]	do				.49	.91		1.34	.09	.05		.72	.03			.10	.61	.09						2.94									7.37
Willow Sprgs. (near)	White				*	.92		.17	T	.12		.21			.26	1.26	.65					.08		.35									4.02
Zalma (near)	Mississippi		.22		2.00		T.	1.39	.52			.05				.25	.60					.01	T.	3.76			T.						8.80
Cairo, Ill.[1‡]	do		.20	.62	.03	.22	.01	.22				.04				.01	.10			.32		T.	.52	2.68				.08					5.05

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for August 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly
Lakeside (Osage Dam)	Evaporation	.338	.343	.367	.241		.266	.079	.087	.153	.236	.149	.181	.199	.152	.047	.099	.178	.187	.178	.156	.188	.145	.239	.210	.198	.207	.174	.221	.204	.201	.232	6.050
	Mean temperature	84	85	80	70	76	76	76	76	77	74	76	74	74	74	76	75	72	72	74	77	78	78	69	67	70	76	82	83	79	76	80	76.0
	Wind movement	51	38	43	38	25	26	27	24	23	21	23	20	23	32	39	17	16	4	10	24	14	26	48	18	31	45	24	39	34	17	16	836
St. Louis (Washington University)	Evaporation	.277	.280	.318	.123	.029	.220	.096	.114	.173	.220	.202	.190	.197	.178	.068	.032	.117	.164	.118	.135	.164	.206	.301	.246	.156	.181	.107	.191	.182	.208	.171	5.364
	Mean temperature	88	87	78	71	76	73	75	76	76	75	74	69	70	72	71	73	72	72	74	78	80	82	70	62	66	73	78	82	79	77	80	75.0
	Wind movement	13	10	21	11	2	7	11	5	7	17	8	15	11	5	5	1	9	7	1	1	3	16	37	30	6	12	16	21	7	7	3	325

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for August 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	98	96	83	77	87	85	85	88	83	89	75	83	85	79	87	83	85	86	90	94	94	91	76	78	80	81	94	93	91	92	96	86.6
	Minimum	74	76	66	67	63	63	67	66	66	65	64	63	62	62	70	63	59	59	60	64	66	69	58	52	52	61	66	73	72	66	66	64.5
Chillicothe §§	Maximum	87	91	74	76	85	85	84	86	84	83	82	81	82	79	83	81	82	84	87	91	90	85	75	76	76	80	92	91	90	87	92	83.9
	Minimum	76	76	64	66	59	66	67	64	64	63	62	60	60	66	65	58	57	61	63	66	65	72	53	52	56	61	65	71	71	65	67	63.9
Columbia	Maximum	98	94	83	75	85	81	84	88	84	85	84	81	84	77	84	82	81	84	87	92	91	90	75	76	78	82	92	91	88	89	91	85.0
	Minimum	77	70	68	68	63	68	68	65	64	64	65	63	62	69	69	63	58	60	66	68	72	69	58	54	58	64	73	75	72	64	67	65.9
Fayette	Maximum	96	95	87	77	84	83	85	87	83	85	85	82	83	75	84	82	80	85	88	90	92	90	74	76	78	81	91	89	88	90	90	85.0
	Minimum	72	74	65	64	58	64	66	67	64	61	62	60	58	64	64	60	54	56	59	63	65	68	55	49	55	61	68	71	68	60	60	62.4
Grant City	Maximum	97	89	77	82	84	88	85	88	83	83	82	82	78	83	81	83	84	83	89	95	93	81	74	77	74	80	92	89	90	81	89	84.4
	Minimum	77	70	67	65	56	65	65	63	59	62	63	59	61	67	60	54	56	59	61	64	65	67	50	50	59	62	71	70	70	65	68	62.9
Hannibal	Maximum	95	92	79	75	84	84	83	86	82	83	79	78	82	78	85	80	83	84	87	90	91	89	74	74	77	73	91	89	89	88	90	83.7
	Minimum	75	73	66	63	60	65	64	62	63	61	63	57	55	65	66	59	57	59	62	65	68	68	54	48	54	59	69	71	69	63	65	62.8
Kansas City Airport	Maximum	97	93	80	76	86	79	82	88	87	85	83	85	81	78	83	82	85	85	89	93	92	86	76	80	75	86	92	91	88	88	93	85.4
	Minimum	80	70	67	67	67	70	69	69	65	63	66	66	69	71	68	62	62	62	68	72	73	65	58	59	66	68	75	75	74	71	73	68.1
Kirksville	Maximum	98	94	83	82	88	89	85	88	85	87	82	81	84	82	85	82	85	85	89	93	92	88	74	77	79	80	94	94	93	91	95	86.5
	Minimum	75	75	66	63	55	65	63	64	61	60	60	56	55	67	65	58	56	57	60	63	64	70	52	45	54	62	70	68	70	61	64	62.1
Lawson	Maximum	97	93	82	79	85	85	89	84	84	78	84	83	83	84	82	85	86	89	93	91	85	75	81	77	84	93	92	90	89	93	91	85.8
	Minimum	74	73	62	64	59	64	66	63	63	59	61	60	60	68	63	56	58	59	63	66	66	64	52	52	60	64	71	72	70	64	68	63.4
Louisiana §§	Maximum	91	86	74	68	76	77	76	79	79	76	72	70	75	72	76	74	75	72	82	85	86	86	70	68	70	81	89	89	84	83	84	78.2
	Minimum	76	75	69	67	59	60	67	66	64	60	60	53	52	53	63	62	58	53	53	57	62	70	57	45	41	53	62	73	70	60	59	60.6
Macon §§	Maximum	96	94	78	74	85	85	87	86	87	83	82	82	84	77	86	84	86	84	88	91	91	89	78	77	78	78	91	90	91	89	94	85.4
	Minimum	75	75	71	65	58	59	67	61	64	63	63	57	57	59	68	63	59	60	60	63	67	70	58	47	48	55	62	71	72	63	63	62.8
Maryville	Maximum	98	93	80	78	81	86	83	85	82	86	82	80	77	80	79	80	83	82	87	92	89	84	74	74	72	81	90	88	86	82	89	83.3
	Minimum	78	72	64	64	60	64	65	65	60	65	62	60	61	67	61	57	58	60	62	66	65	72	51	55	59	63	70	68	70	65	68	63.8
Mexico §§	Maximum	100	95	84	77	89	85	85	90	85	85	82	83	88	79	85	84	82	87	90	95	95	95	78	73	82	81	95	95	95	93	96	87.4
	Minimum	76	73	66	66	60	65	67	64	65	62	63	57	58	61	68	60	56	56	58	65	68	70	55	47	50	57	63	72	69	61	61	62.5
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	101	94	82	80	87	90	88	88	87	87	88	87	82	85	82	82	89	86	91	96	96	82	76	80	73	86	95	91	90	86	93	87.0
	Minimum	78	79	63	64	61	65	70	64	63	65	62	61	64	63	64	58	59	60	63	66	70	67	52	57	63	64	73	68	70	66	70	64.9
St. Charles §§	Maximum	100	100	84	72	88	79	79	84	90	87	82	80	80	81	75	79	84	84	87	92	92	91	77	75	78	84	92	95	90	90	91	85.2
	Minimum	77	81	72	68	68	68	64	66	68	68	67	59	56	63	69	67	61	61	64	69	71	73	62	52	55	63	65	74	70	65	67	66.2
St. Joseph	Maximum	99	91	78	78	84	85	85	86	85	85	85	84	78	84	80	81	85	83	89	93	92	79	74	77	72	85	93	90	88	88	91	84.5
	Minimum	81	68	64	65	63	66	69	67	65	66	62	63	65	70	67	59	62	62	67	70	72	63	56	59	62	65	74	73	74	69	72	66.5
Trenton	Maximum	100	95	83	80	87	88	86	88	86	86	82	83	82	83	84	84	84	85	87	93	92	85	76	78	75	79	94	92	91	88	88	85.9
	Minimum	77	77	64	66	57	66	67	65	63	64	63	60	59	69	65	57	56	58	60	65	65	71	53	50	54	64	73	70	65	65	67	63.7
Unionville §§	Maximum	98	90	76	83	87	89	83	90	85	87	85	81	83	80	85	85	84	83	87	93	90	87	76	75	75	80	93	92	95	89	94	85.8
	Minimum	70	74	65	60	54	55	61	62	59	58	59	55	56	56	60	54	55	56	58	60	64	65	50	45	46	56	60	65	67	62	63	59.0
Warrenton	Maximum	97	97	87	75	83	81	82	87	84	84	80	79	84	79	79	80	81	82	87	90	89	90	75	74	78	84	92	91	89	89	91	84.5
	Minimum	73	75	70	67	61	67	67	66	65	64	58	57	56	61	68	65	60	61	63	66	69	71	58	48	52	60	71	71	68	61	65	64.0
Keokuk, Iowa	Maximum	96	89	76	81	84	87	82	85	82	86	80	78	83	78	83	81	84	83	87	92	92	89	73	73	76	75	90	91	90	86	89	83.9
	Minimum	79	76	69	65	65	70	67	65	64	64	65	60	57	68	68	61	60	62	68	71	72	72	57	52	56	64	72	72	74	70	68	66.2
Southwestern Division																																	
Clinton	Maximum	98	100	85	78	87	79	86	89	89	90	85	85	87	79	84	84	84	87	90	93	92	91	78	80	86	89	93	93	91	91	95	87.5
	Minimum	73	74	68	69	68	66	66	64	61	59	64	55	69	63	63	59	59	65	64	68	67	57	55	58	65	71	72	65	62	68	64	64.6
Eldon §§	Maximum	96	98	85	70	85	83	81	89	83	88	84	82	84	81	84	84	84	85	88	91	90	91	76	77	80	89	92	92	89	90	92	85.9
	Minimum	71	71	71	66	63	65	66	68	66	65	63	62	58	58	67	64	58	58	59	63	65	69	58	52	53	54	64	71	66	61	60	63.1
Harrisonville §§	Maximum	95	94	81	73	81	75	84	89	88	87	84	82	85	78	84	83	83	85	88	92	90	88	78	77	76	86	91	89	86	88	92	85.0
	Minimum	72	72	64	64	65	64	65	65	65	66	59	62	63	64	66	59	59	60	62	64	66	69	54	55	58	62	64	70	67	64	66	63.7
Jefferson City §§	Maximum	97	98	84	72	85	83	82	88	86	87	85	81	82	81	85	83	83	83	87	91	91	77	75	81	84	91	92	90	91	92	95	85.7
	Minimum	71	72	68	65	60	60	64	67	62	61	61	58	57	58	65	64	55	56	58	59	65	68	55	50	50	51	58	68	66	59	61	61.0
Joplin	Maximum	95	99	94	76	90	90	87	88	88	86	83	86	84	76	76	80	82	83	87	89	88	86	76	83	75	87	91	88	88	90	93	85.9
	Minimum	79	80	74	70	71	72	70	70	74	68	65	69	70	71	71	69	65	68	70	71	74	71	65	60	66	70	76	75	68	67	76	70.5
Lamar §§	Maximum	96	98	87	79	87	86	87	90	90	88	85	86	85	77	78	83	83	85	88	90	90	90	78	81	79	88	92	90	90	91	94	86.8
	Minimum	70	69	68	65	64	64	64	61	61	62	56	56	60	62	64	60	54	54	56	60	62	65	56	51	51	58	63	66	60	57	59	60.6
Lebanon §§	Maximum	97	97	90	79	87	87	81	86	85	89	85	85	82	82	78	79	83	85	86	92	89	89	75	82	82	90	92	92	90	90	95	86.5
	Minimum	72	73	68	65	65	65	67	65	62	60	60	60	60	61	66	64	54	53	55	62	62	68	59	51	54	54	63	70	61	56	58	61.7
Lexington §§	Maximum	97	97	81	77	78	81	83	90	87	87	88	85	85	81	87	86	86	86	90	94	93	90	80	83	81	85	93	92	91	90	94	87.0
	Minimum	76	78	66	66	65	66	67	67	68	66	63	64	63	66	69	62	61	62	62	67	69	70	57	55	56	62	65	74	71	66	66	66.6
Marshall	Maximum	95	94	90	82	90	90	86	88	85	93	89	87	90	84	90	83	80	87	92	90	90	90	80	80	83	82	97	92	97	87	96	88.4
	Minimum	75	73	66	66	64	65	68	67	65	65	64	62	61	68	68	61	59	61	64	67	70	71	54	51	57	64	64	73	70	63	64	64.8
Mountain Grove	Maximum	96	96	92	83	87	92	80	88	86	84	85	84	86	83	77	77	82	83	86	90	84	83	80	78	76	87	87	88	86	86	90	85.0
	Minimum	73	73	70	69	68	70	70	67	64	61	62	60	58	63	66	64	55	55	65	66	67	68	52	57	54	61	70	69	64	63	67	64.2
Neosho	Maximum	97	98	96	96	93	93	91	91	89	89	88	88	89	86	79	81	83	86	89	91	91	88	86	83	81	89	92	90	91	94	92	89.4
	Minimum	70	68	72	69	69	73	70	65	67	64	59	59	64	69	68	68	54	58	63	64	67	65	64	52	62	67	70	71	59	58	69	65.1
Nevada	Maximum	97	101	96	84	90	86	87	89	89	89	88	87	88	84	86	84	85	86	89	94	92	92	79	84	82	89	93	91	91	91	95	89.0
	Minimum	74	72	70	69	67	70	66	63	61	65	59	64	65	68	66	62	57	60	61	65	67	68	58	56	56	66	70	72	65	61	69	65.0
Sedalia	Maximum	99	99	97	81	86	85	84	89	87	88	84	83	87	84	84	83	84	87	90	92	90	91	78	79	80	92	94	93	94	89	94	87.9
	Minimum	73	74	70	67	65	65	65	65	63	64	60	63	62	68	65	59	57	60	65	65	70	71	54	54	58	64	72	72	69	62	69	64.8
Springfield	Maximum	94	95	90	77	87	87	84	87	85	85	82	82	80	75	75	79	80	83	85	88	86	85	75	79	78	88	91	87	87	89	92	84.4
	Minimum	72	71	70	70	68	71	68	64	65	63	61	64	65	67	69	61	56	58	63	65	69	68	57	55	57	65	70	70	63	62	68	65.0
Warrensburg	Maximum	101	100	96	81	86	85	82	90	87	86	88	85	88	87	85	86	85	86	91	94	94	92	81	82	82	87	95	93	92	91	98	88.9
	Minimum	74	74	66	66	66	65	65	65	64	65	59	63	62	64	65	60	58	58	64	65	69	71	56	52	60	64	72	73	70	64	70	64.8
Southeastern Division																																	
Arcadia §§	Maximum	99	102	92	72	88	90	77	91	89	91	87	85	86	88	85	82	83	87	87	92	90	88	82	79	78	87	85	92	90	90	93	87.3
	Minimum	70	71	72	70	65	63	66	68	63	59	60	54	49	50	54	60	55	52	53	58	60	68	63	46	46	47	59	66	59	59	51	55	59.1
Birch Tree (near)	Maximum	99	102	96	79	85	93	82	87	87	86	86	83	83	85	83	80	80	84	88	88	86	83	78	78	77	86	83	86	86	87	90	85.7
	Minimum	66	67	67	62	62	66	62	62	61	58	62	64	54	57	57	65	60	57	57	63	63	63	59	52	49	58	70	67	60	59	62	61.0
Caruthersville §§	Maximum	98	99	95	86	85	91	87	86	87	87	81	80	84	87	90	75	81	83	88	85	86	83	79	77	79	87	82	85	85	89	89	85.7
	Minimum	71	75	75	72	70	70	68	67	69	68	65	64	62	62	64	68	65	68	70	68	67	70	69	58	56	57	66	65	64	64	65	66.6
Crystal City	Maximum	99	98	86	80	85	80	90	89	87	86	84	81	85	86	77	81	84	85	86	91	90	92	81	76	78	86	88	92	89	90	92	86.3
	Minimum	71	71	72	67	65	63	64	63	67	64	62	52	48	55	60	64	55	54	55	62	66	66	60	46	47	54	72	67	60	55	62	60.8
Doniphan	Maximum	100	101	99	87	89	96	91	90	85	89	86	85	85	92	90	79	84	87	90	90	89	86	82	79	79	88	85	90	89	90	91	88.5
	Minimum	68	69	67	64	69	68	68	68	64	62	64	60	54	56	69	65	62	68	66	65	67	68	67	54	51	59	72	65	60	57	63	63.8
Farmington	Maximum	99	97	90	80	85	88	80	87	87	85	82	80	85	86	83	79	82	84	88	90	89	88	78	77	80	85	85	91	90	91	91	85.9
	Minimum	72	78	76	65	64	70	68	67	68	68	66	70	65	57	69	67	60	57	62	70	70	71	65	51	50	50	72	68	69	68	70	65.9
Jackson	Maximum	101	100	92	91	86	89	83	81	87	87	86	82	87	87	86	87	81	85	88	89	89	87	85	76	84	83	83	88	88	90	92	87.1
	Minimum	72	75	74	70	67	67	68	69	64	64	63	59	58	60	72	68	64	62	65	67	69	72	65	53	51	57	76	68	66	61	68	65.6
Poplar Bluff	Maximum	101	103	100	86	87	92	83	89	90	90	86	84	87	90	89	79	84	88	90	90	90	85	83	78	81	88	82	90	88	90	93	88.3
	Minimum	77	74	72	70	68	69	68	70	68	65	65	62	67	58	67	67	66	64	64	68	70	69	67	55	54	60	64	66	64	62	60	65.8
Rolla	Maximum	94	93	85	71	83	87	84	84	84	84	82	79	83	83	77	78	81	84	87	90	89	87	75	76	79	89	90	90	90	90	91	84.5
	Minimum	71	75	67	65	62	69	67	68	64	64	63	60	58	62	66	64	61	61	62	65	69	66	56	52	53	62	70	70	66	62	66	61.2
St. Louis	Maximum	98	98	84	74	87	78	82	86	84	84	82	80	85	84	75	80	82	83	87	90	89	89	76	74	77	83	88	91	89	88	90	84.4
	Minimum	81	77	72	68	67	66	70	71	70	69	63	65	69	69	69	67	67	69	72	74	75	62	57	56	63	74	73	73	71	71	75	69.2
Salem	Maximum	98	98	94	86	86	92	80	86	87	87	86	81	85	86	79	79	84	84	88	91	90	89	82	81	80	90	91	92	90	91	93	87.4
	Minimum	71	73	71	70	65	68	69	69	62	60	61	58	55	61	68	66	56	54	60	65	68	70	61	47	52	61	72	71	62	54	59	63.4
Sikeston §§	Maximum	105	106	98	85	86	91	85	92	90	81	84	83	89	91	91	76	84	87	89	91	92	88	80	76	78	88	86	91	90	92	91	87.9
	Minimum	72	75	73	71	67	69	67	69	71	65	67	60	59	60	64	66	65	65	65	69	69	71	66	54	53	51	64	65	65	61	65	65.4
Union	Maximum	101	102	92	79	89	86	86	90	89	89	83	84	89	85	77	81	85	86	89	93	92	93	82	80	83	91	94	94	93	94	95	88.6
	Minimum	72	72	70	67	62	65	67	65	65	61	64	53	51	56	67	65	55	55	56	61	61	70	61	46	49	60	71	73	64	55	61	61.9
West Plains	Maximum	97	98	92	82	87	95	81	88	87	87	86	83	83	88	82	80	80	83	88	89	87	84	79	77	76	88	85	87	86	88	91	85.9
	Minimum	68	70	69	70	70	69	68	67	63	61	64	62	56	58	68	65	61	58	61	63	66	68	58	53	54	62	71	66	60	56	63	63.5
Cairo, Ill.	Maximum	100	98	93	83	85	88	81	85	88	88	79	82	88	87	90	76	83	86	84	87	87	84	80	75	77	85	83	87	86	90	89	85.6
	Minimum	76	78	73	73	68	70	71	72	70	70	70	64	65	66	71	71	70	69	71	70	73	74	66	59	56	64	69	69	68	67	71	69.2

*, b, °, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 9-25-42—1100.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI SEPTEMBER 1942 No. 9

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

One of the coldest periods of record for September, together with the earliest occurrence of general damaging frost, was experienced in the month just past.

The first eighteen days were mostly warmer than normal but the remainder of the month, except the last day, was unusually cold with record low temperatures for the month at many stations on the 28th and 29th. The extreme low of 22° this month was only one degree above the all time low for September, which occurred in 1899. Warmest days were 1st, 2d, 11th, 12th, 13th, 14th, and 18th. All divisions of the State averaged from 1.5° to 2.4° below normal but the Southwestern Division had the largest deficiency. Frost formed locally as early as the 18th and occurred almost nightly thereafter in some parts of the State, with killing frost occurring as early as the 23d at some stations. On the 27th, 28th, and 29th heavy to killing frost was quite general.

Precipitation was only slightly above normal for the State as a whole but the distribution was very irregular with the Southwestern Division averaging 2.25 inches wetter than normal while the Northern and Southeastern Divisions averaged 0.60 inch and 1.13 inches drier than normal respectively. The frequency of precipitation was often enough so that were no very long periods of dry weather and crops did not suffer for want of moisture. Some light flurries of snow fell on the 25th, mostly in the more northern counties, and light sleet occurred locally on the 24th, 25th, and 26th.

All crops continued to make good progress during the first three weeks but cold weather and the early occurrence of frost and freezing temperatures the last ten days brought a halt to the 1942 growing season, except in the more southern sections and in protected places. All early corn had reached maturity but much late corn was damaged as were soy beans, sorghums, gardens, and truck crops. Damage varied from light to heavy, according to location and exposure. Haying operations continued during the month and a record hay crop had been stored. Plowing for fall seeding was in progress throughout the month and some early sowing of wheat, rye, and barley were made the latter part with early sown fields coming up to good stands at the close. Harvesting of apples and pears was under way and making good progress. The condition of livestock was good to excellent and fall pastures were the best in years and farmers were approaching the winter season with unusually large supplies of feed.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 67.4°, or 2.0° cooler than normal. The highest monthly mean was 70.6° at Campbell and Sikeston, and the lowest monthly mean was 62.8° at Boonville. The highest recorded was 97° at Marshall, St. Charles, Sikeston, and Union on the 12th, at Advance, Arcadia, Elsberry, and Greenville on the 13th, and at Mexico on the 14th; the lowest was 22° at Marble Hill on the 29th.

PRECIPITATION

The average for the State, 155 stations reporting, was 4.19 inches, or 0.18 inch more than normal. The greatest local monthly amount was 13.72 inches at Joplin, and the least local monthly amount was 0.43 inch at Parma. The greatest amount in any twenty-four hours was 4.88 inches at West Plains on the 5–6th. The average number of days with 0.01 inch or more was 7.

(Continued on page 51)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.02*	30.55*	28	29.78*	17	6.5	18	nw.	23	59*	73*	70*	68
Kan C. Airport	30.00	30.53	28	29.67	17	10.5	40	nw.	18	84	59	64	53
St. Joseph	30.00*	30.52*	28	29.66*	17	8.1	25	nw.	26	94*	63*	73*	50
St. Louis	30.01*	30.54*	28	29.81*	26	10.9	30	sw.	7	79	50	51	75
Springfield	30.04	30.48	28	29.79	25	9.0	26	s.	18	91	59	68	65
Cairo, Ill.	30.05§	30.50	28	29.82	26	7.3	24	nw.	19	86	55	..	74
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	65.2	97	28	1.01	1.13	0.87	1.02	0	4	..	..	..
1889	64.7	94	32	4.68	5.55	4.66	3.83	0	11	..	..	..
1890	63.7	98	30	4.36	3.25	5.49	4.34	0	9	..	..	..
1891	70.6	104	34	0.72	0.53	0.90	0.72	0	6	..	..	..
1892	67.8	97	32	2.46	2.73	2.71	1.93	0	4	19	6	5
1893	69.9	107	26	4.07	3.50	3.96	4.74	0	6	17	7	6
1894	68.5	101	34	4.94	4.16	6.42	4.23	0	8	13	11	6
1895	71.8	104	24	2.38	2.04	2.43	2.66	0	4	19	8	3
1896	65.0	101	28	4.09	4.67	3.92	3.69	0	10	11	10	9
1897	74.3	105	27	0.67	0.97	0.61	0.43	0	2	23	5	2
1898	70.9	103	37	6.70	6.76	7.25	6.10	0	9	15	9	6
1899	67.4	108	21	1.96	2.27	1.79	1.81	0	4	20	6	4
1900	71.1	100	29	4.59	4.77	5.56	3.44	0	10	13	10	7
1901	68.9	103	27	2.16	2.41	2.75	1.31	0	6	18	8	4
1902	63.2	95	30	4.63	4.74	5.36	3.79	0	10	15	6	9
1903	66.6	98	32	4.16	5.64	3.56	3.28	0	8	17	6	7
1904	69.6	96	34	3.77	4.72	2.78	3.82	0	7	16	8	6
1905	69.6	98	41	7.40	8.20	8.36	5.64	0	10	15	6	9
1906	71.9	98	36	4.53	3.54	3.75	6.31	0	11	15	8	7
1907	68.9	101	31	2.06	2.35	1.62	2.20	0	6	18	7	5
1908	71.6	99	28	2.15	1.49	2.69	2.27	0	4	18	8	4
1909	68.7	105	28	4.48	5.30	3.35	4.79	0	8	18	6	6
1910	69.5	97	34	5.45	5.90	6.44	4.01	0	10	14	6	10
1911	73.7	105	39	6.27	8.17	5.98	4.65	0	11	13	7	10
1912	68.6	105	27	3.11	2.72	2.87	3.74	0	6	17	5	8
1913	69.4	109	27	4.75	3.74	4.64	5.88	0	9	13	7	10
1914	69.6	99	35	6.06	7.19	6.01	4.98	0	9	15	8	7
1915	70.6	98	34	5.18	6.21	6.93	2.40	0	7	16	7	7
1916	67.8	101	27	2.97	2.73	3.18	2.99	0	6	19	7	4
1917	67.9	101	33	2.76	2.97	3.64	1.66	0	5	19	6	5
1918	62.3	96	29	4.83	4.11	5.44	4.95	0	7	17	6	7
1919	71.4	104	38	3.14	4.13	1.95	3.34	0	5	20	6	4
1920	70.0	100	31	4.60	4.37	5.78	3.64	0	9	17	7	6
1921	73.4	104	34	6.94	8.05	7.03	5.74	0	13	13	9	8
1922	71.7	107	31	3.10	3.95	3.62	1.74	0	5	21	5	4
1923	68.7	98	33	4.44	4.84	4.75	3.74	0	11	12	9	9
1924	64.0	96	29	3.79	3.41	4.55	3.40	0	8	14	8	8
1925	74.6	110	45	6.56	5.84	6.48	7.37	0	10	14	6	10
1926	69.3	97	27	8.64	11.74	9.12	5.06	0	13	12	7	11
1927	71.6	102	29	3.72	3.11	3.41	4.65	0	8	17	7	6
1928	65.0	95	28	2.50	5.36	1.62	0.53	0	5	20	7	3
1929	67.4	98	33	3.16	3.16	2.83	3.48	0	8	13	10	7
1930	71.3	105	37	4.28	2.86	5.48	4.49	0	8	16	7	7
1931	75.0	104	36	3.91	5.97	3.18	2.58	0	7	19	7	4
1932	67.8	99	33	2.56	2.08	2.04	3.57	0	6	17	8	5
1933	74.6	102	36	4.69	3.00	4.92	6.16	0	9	16	8	6
1934	65.6	95	32	7.39	7.49	7.79	6.89	0	12	12	8	10
1935	68.1	98	33	3.51	4.30	3.13	3.10	0	6	20	4	6
1936	73.6	109	37	8.62	8.76	9.98	7.12	0	11	11	9	10
1937	69.4	103	29	2.41	1.12	2.53	3.57	0	5	18	7	5
1938	71.6	103	30	1.85	1.51	2.40	1.65	0	6	18	7	5
1939	75.5	108	30	0.81	0.42	0.74	1.27	0	2	23	5	2
1940	68.8	100	28	0.69	0.35	1.11	0.62	0	3	19	6	5
1941	71.6	97	35	5.83	5.98	7.34	4.17	0	9	14	9	7
1942	67.4	97	22	4.19	3.58	6.51	2.47	0	7	15	7	8
.....	....	...	..	...	....	....	....	....	..	..	..	..
Period	69.4	110	21	4.01	4.18	4.26	3.60	0	8	16	7	7

Natural History Library

Climatological Data for September 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	65.0	.....	93	1	25	28	13	3.71	−1.84	1.33	15	T.	10	15	7	8	s.	Curtis E. Grace
Bethany	Harrison	916	47	65.3	− 1.8	93	2	25	28	49	4.16	−0.40	1.08	6	0	8	12[a]	11[a]	6[a]	n.	A. S. Cumming
Brookfield	Linn	767	1	66.6	.....	92	2	27	28	1	1.74	.....	0.70	6	0	7	12	9	9	sw.	E. W. Patrick
Brunswick	Chariton	652	61	66.2	− 0.8	96	2	29	29	63	3.50	−1.31	0.93	26	0	8	14	5	11	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	67.0	.....	91	14	27	28	12	3.63	−0.11	1 46	7	0	10	13	6	11	s.	Lockmaster
Chillicothe	Livingston	779	33	65.0	− 2.5	93	1	24	28	36	2.40	−2.38	1.28	6-7	0	9	21	2	7	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	66.8	− 1.8	92	2†	26	28	33	3.22	−1.32	1.15	19	0	9	18	3	9	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	67.6	− 1.8	93	2	33	27	52	4.57	+0.22	1.95	18-19	0	11	9	12	9	s.	U. S. Weather Bureau
Conception	Nodaway	980	53	65.3	− 1.9	90	2†	27	28	58	3.80	−0.84	1.08	15	0	7	8	11	11	sw.	Fr. Adelhelm Hess
Edgerton	Platte	856	22	....	.....	..	..	..	..	39	4.05	−0.54	1.39	6	0	9	5	9	16	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	11	67.0[d]	.....	97	13	26	28	11	3.10	+0.10	1.70	19	0	7	13[d]	9[d]	4[d]	nw.	Ray E. Mills
Fayette	Howard	760	62	66.4	− 1.7	93	14	28	28	59	5.68	+0.72	2.00	19	0	6	18	2	10	s.	Irvin E. Schnell
Fulton	Callaway	818	54	67.4	− 1.5	93	12†	30	28	50	3.40	−1.09	1.97	19	0	6	19	3	8	sw.	Robert T. Wise
Grant City	Worth	1,134	38	63.2	− 3.8	91	2	28	28	50	4.24	−0.45	1.70	15	T. ¶	10	8	9	13	sw.	Howard Rybolt
Hannibal	Marion	759	50	65.9	− 1.8	93	18	30	28	58	3.57	−0.40	1.30	25-26	0	7	13	7	10	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	67.7	− 1.2	95	1	34	27	53	3.15	−1.41	1.12	18-19	0	11	10	10	10	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	67.6	.....	92	1†	30	27	4	3.68	.....	0.78	6	0	12	10	8	12	sw.	University of Kansas City
Kidder	Caldwell	1,020	50	65.4	− 1.9	92	2	28	28	54	4.30	−0.90	1.51	6	0	8	11	7	12	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	65.8	− 0.5	95	1†	25	28	60	3.65	−1.53	1.97	16	T. ¶	7	15	10	5	sw.	Howard Coous
Lawson	Ray	1,070	4	66.1	.....	95	1	27	28	4	5.41	.....	2.13	6	0	8	16	5	9	sw.	Frank G. Gstrein
Louisiana	Pike	469	48	64.4	− 3.6	93	18	27	28†	61	4.84	+0 41	2.30	26	T.	7	19	6	5	s.	Stark Bro's Nurseries
Macon	Macon	875	43	64.8	− 3.1	95	2	26	28	49	2.66	−1 78	0.79	26	0	10	8	10	12	sw	John W. Atwell
Maryville	Nodaway	1,169	52	63.8	− 1.8	89	1‡	30	24†	48	3.82	−0.86	1.32	6	T. ¶	10	12	5	13	sw.	R. B. Montgomery
Memphis	Scotland	787	3	64.8	.....	95	1	25	29	12	2.36	−1.92	1.02	26	T.	7	14	3	13	se.	John W. Alexander
Mexico	Audrain	800	53	67.3	− 1.2	97	14	27	28	64	5.32	+0.35	2.41	26	0	7	16	3	11	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	....	.....	....	.....	....	..	..	..	..	.....	.....
Oregon	Holt	1,048	86	66.4	− 0.7	96	15	29	27	86	3.06	−2.04	1.00	15	0	7	11	11	8	se.	Miss Mina Wright
St. Charles	St. Charles	520	54	69.0	+ 0 7	97	12	31	28	64	1.23	−2.61	0.35	9	0	8	15	11	4	s.	Martin L. Comann
St. Joseph	Buchanan	957	32	66.0	− 2.4	92	14	33	27	70	6.50	+2 58	2.84	14-15	0	11	12	6	12	s.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	67.4	.....	93	14	31	28	4	3.60	.....	1.73	26	0	5	14	10	6	se.	Lockmaster
Shelbina	Shelby	779	1	66.6	.....	93	2†	25	28	49	3.30	−1.64	1.06	19	T. ¶	7	11	9	10	s.	Guyman Hatcher
Steffenville	Lewis	650	44	66.2	− 2.8	93	2†	24	28	49	2.37	−2.13	0.62	16	0	7	16	5	9	sw.	Samuel D. Gross
Tarkio	Atchison	916	39	64.4	− 1.9	90	11†	27	28	48	4 09	−0.15	1.62	25	0	6	10	10	10	se.	Albert Volker
Trenton	Grundy	822	46	66.6	− 0.6	96	2	27	28	47	4.86	+0.11	1.52	18	0	9	12	9	9	s.	W. H. Estes
Unionville	Putuam	1,062	49	64.6	− 2.5	95	2†	26	28†	49	3.87	−1.22	0.80	19-20	T. ¶	13	10	12	8	sw.	C. D. Wilson
Warrenton	Warren	816	60	67.1	− 1.9	92	2†	30	28	52	4.16	−0.20	2.56	8-9	0	6	20	3	7	sw.	Dorris D Brown
Keokuk, Iowa	Lee, Ia.	574	70	65.7	− 1.8	90	2	33	25	70	5.71	+1.87	2.12	8	T.	11	9	6	15	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**66.1**	**− 1.8**	**97**	**12†**	**24**	**28**	..	**3.58**	**−0.60**	**2.84**	**14-15**	**0**	**8**	**13**	**7**	**10**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	38	67.1	− 3.9	92	2	24	27	43	6.86	+2.98	1.35	6	0	10	12	12	6	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	67.0	− 3.4	93	1†	29	27	50	8.32	+3.94	2.40	19	0	9	15	3	12	sw.	Rolla Brown
Bolivar	Polk	1,071	39	68.3	− 1.6	93	2	31	27	47	4 48	+0.27	2.05	19	0	6	18	4	8	sw.	Southwest Baptist College
Boonville	Cooper	650	4	62.8	.....	88	2†	28	28	65	7 30	+2.11	3.10	26	0	8	12	10	8	sw.	Boonville Water Dept.
Carthage	Jasper	962	8	69.2	.....	92	1†	30	27	18	11.95	.....	3.42	19	0	10	14	7	9	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	67.6	− 3.2	96	2	30	27	55	7.01	+2.49	2.70	18-19	0	10	14	8	8	s.	U. S. Weather Bureau
Eldon	Miller	934	47	66.4	− 3.0	93	2†	31	27†	43	4.24	−0.38	2.64	19-20	0	10	16	5	9	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	68.9	.....	92	2†	33	27	1	4.55	.....	1.17	5-6	0	9	17	7	6	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	65.3	− 3 2	93	2	28	27	67	7.59	+2 69	2.31	26	0	10	10	8	12	se.	John H. Patterson
Jefferson City	Cole	557	52	65.8	− 3.5	94	12†	31	27†	60	4.73	+0.50	3.03	19-20	0	7	15	7	8	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	69.5	− 2.6	92	1	35	27	37	13.72	+9.80	3.55	3	0	9	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	67.9	− 3.1	94	1†	34	27†	11	3.28	−1.12	1.57	19-20	0	9	15	7	8	sw.	W. S. Frame
Lamar	Barton	980	54	65.1	− 5.7	94	2	25	27†	61	6.00	+1.45	2.05	5	0	9	16	5	9	se.	Jesse A. Mann
Lebanon	Laclede	1,265	54	66.2	− 3.2	94	2	29	27†	55	5.36	+0.87	1.90	6	0	9	14	8	8	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	66.9	− 1.9	95	1†	32	28	58	4.36	−0.41	1.00	19-20	0	9	16	6	8	sw.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	69.8	− 1.1	95	1	32	27	46	7.21	+2.43	2.95	19	0	8	17	6	7	sw.	Hubert A. Nieman
Marshall	Saline	779	55	69.1	+ 0.3	97	2	29	28	52	5.24	−0.26	1 28	19†	0	7	16	6	8	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	67.6	− 1.3	91	11‡	32	27†	45	5.41	+1.35	2 98	7	0	7	14	12	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	....	.....	95	..	27	27	42	6.30	+2.46	1.90	19	0	9	..	..	..	.....	G. H. Boswell
Neosho	Newton	1,011	55	69.4	− 1.1	92	1†	29	27	59	12.35	+8.06	2.87	3	0	9	14	8	8	sw.	U. S. Fisheries Station
Nevada	Vernon	862	49	68.4	− 1.1	95	1	29	27	50	9.64	+5.33	2.60	5	0	10	13	11	6	sw.	Henry Kraft
Ozark Beach	Taney	700	2	69.6	.....	95	1†	33	27	17	2.36	−0.83	1.19	8-9	0	9	16	6	8	s.	V. Smith
Sedalia	Pettis	910	29	68.3	− 0.9	95	2	30	28	31	10.22	+5.32	3.40	5	0	8	15	6	9	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	66.6[a]	− 3.0	88	1†	28	27	39	6.67	+2.99	2.88	8	0	8	16	9	5	e.	Floyd E. Fawver
Seymour(near)	Webster	1,642	36	66.9	− 1.9	91	2	30	27	36	3.83	−0.19	1.10	8	0	7	18	5	7	s.	A. L. Hailey
Springfield	Greene	1,301	54	67.2	− 1.7	90	1	30	27	54	4.55	+1.01	1.42	18-19	0	7	12	10	8	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	67.2[a]	.....	96	2	26	28	1	6.42	.....	1.58	19	0	9	16[a]	9[a]	4[a]	s.	H. F. Nelson
Warrensburg	Johnson	878	55	68.0	− 2.2	96	1†	29	27	62	10.64	+5.86	3.60	5	0	8	17	6	7	se.	E. A. Markey
Warsaw	Benton	687	41	67.8	− 2.7	96	2	31	27†	47	7.10	+2.07	2.68	19	0	7	12	11	7	e.	Everett Martin
Wasola	Ozark	1,294	1	68.5	.....	90	11†	32	27	2	1.79	.....	0.73	8	0	8	16	8	6	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**67.5**	**− 2.4**	**97**	**2**	**24**	**27**	..	**6.51**	**+2.25**	**4.71**	**5**	**0**	**8**	**15**	**7**	**8**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	5	68.6	.....	97	13	30	29	5	1.77	.....	0.92	7-8	0	8	11	12	7	sw.	U. S. Weather Bureau
Arcadia	Iron	926	61	66.9	− 0.7	97	13	27	28†	64	3.01	−0.97	1.58	7	0	6	16	4	10	s.	Arcadia College
Birch Tree(near)	Shannon	1,000	47	66.3	− 3.5	94	12†	31	29	48	2.50	−1.18	0.70	9	0	6	20	6	4	n.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	70.2	.....	92	12†	33	29	11	1.75	−2.10	0.78	2	0	7	23	7	0	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	70.6[r]	− 1.0	95	13	35	27	16	0.92	−2.95	0.55	9	0	7	20	9	1	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	69.5	− 5.0	91	14†	37	27	50	0.80	−2.41	0.53	9	0	3	19	7	4	n.	Victor T. Malloure
Crystal City	Jefferson	420	8	67.0	.....	93	12†	28	29	8	3.23	.....	1.03	8	0	5	11	6	13	w.	Frank Magre
Doniphan	Ripley	344	38	68.3	− 2.9	96	12†	29	29	38	2.69	−0.92	1.74	8	0	9	22	2	6	ne.	Boyce Lackey
Farmington	St. Francois	896	31	69.2	− 0.4	94	13	31	28‡	45	2.01	−1.79	0.60	8	0	4	11	7	12	s.	F. M. Karsch
Goodland	Iron	1,000	49	66.8	− 1.0	94	2†	27	29	49	2.82	−1.04	1.36	9	0	4	22	2	6	s.	F. M. Adams
Greenville	Wayne	381	33	68.6	− 2.2	97	13	28	29	35	2.40	−0.92	1.43	8	0	7	17	6	7	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	69.0	− 1.1	94	13	31	29	52	1.32	−2.70	0.60	9	0	7	18	3	9	se.	John G. Putz
Jefferson Barracks	St. Louis	465	36	70.1	+ 1.9	96	12†	34	28	28	3.47	+0.60	2.19	8	0	5	24	2	4	sw.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	69.1	− 2.3	93	13	36	27	42	6.25	+2.61	2.20	6	0	7	18	3	9	sw.	R. M. Hitt

Continued on next page

Climatological Data for September 1942 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	67.9	.....	95	1	28	28	5	3.57	.....	1.32	6	0	7	22	2	6	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	66.2	− 4.5	96	13	22	29	49	1.62	−2.26	0.97	7-8	0	5	23	4	3	s.	R. A. DeWitt
Poplar Bluff	Butler	339	37	70.4	− 1.3	96	13	34	27	38	3.30	−0.59	2.15	8	0	3	17	10	3	nw.	B. R. Wheetley
Rolla	Phelps	1,202	42	66.8	− 1.9	91	12†	32	28	58	3.98	−0.16	1.09	6	0	7	16	6	8	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	69.7	− 0.8	94	12	36	28	105	1.99	−1.47	0.91	7	0	6	16	7	7	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	68.3	− 0.5	96	12	32	28	11	1.46	−2.91	0.79	19	0	6	16	6	8	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	69.4	− 1.5	94	12	38	28	30	3.26	−0.50	2.00	7	0	6	17	9	4	se.	St. Louis University
Salem	Dent	1,173	38	68.3	− 0.9	95	9	30	28	41	3.37	−0.51	1.51	6-7	0	6	19	7	4	s.	E. E. Martin
Sikeston	Scott	318	35	70.6	− 0.5	97	12	34	27†	45	0.81	−3.07	0.48	20	0	6	16	14	0	s.	Mrs. Hazelle P. Young
Union	Franklin	520	4	67.8	.....	97	12	29	28	25	3.28	−0.91	0.96	19	0	6	18	3	9	s.	Robert Mueller
Wappapello Dam	Butler	475	3	70.2	.....	93	12	37	28	3	2.84	.....	1.66	8	0	9	15	9	6	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	....	.....	..	..	..	..	2	....	.....	....	.....	..	..	..	..	..	.....	.....
West Plains	Howell	1,005	5	67.0	.....	93	13	31	29	5	7.64	.....	4.88	5-6	0	8	12	12	6	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	66.7	.....	91	12†	29	29	35	3.89	−0.19	1.63	6	0	9	20	5	5	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	71.2	− 0.3	92	13	39	28	71	0.96	−1.93	0.62	19	0	5	13	6	11	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	68.6	− 1.5	97	12†	22	29	..	2.47	−1.13	4.88	5-6	0	6	18	6	6	s.	
State means	**and extremes**	.....	..	67.4	− 2.0	97	12†	22	29	..	4.19	+0.18	4.88	5-6	0	7	15	7	8	sw.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ‡‡‡ Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 49)

Snowfall occurred at only a few stations in the northern portion of the State and amounted to only a trace, except at Lucerne and Kahoka where 0.2 inch was recorded.

MISCELLANEOUS PHENOMENA

Fogs.—Dense, 5th, 7th, 8th, 9th, 10th, 11th, 13th, 21st, 23d, 25th, 28th.

Frosts.—Light, 18th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 29th, 30th; heavy, 20th, 21st, 24th, 26th, 27th, 28th, 29th; killing, 23d, 24th, 25th, 26th, 27th, 28th, 29th, 30th.

Halos.—Solar, 25th.

Sleet.—24th, 25th, 26th.

Thunderstorms.—Local, 1st, 2d, 3d, 4th, 5th, 8th, 9th, 14th, 15th, 16th, 25th, 26th; more or less general, 6th, 7th, 18th, 19th.

Daily Precipitation for September 1942

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	19	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand	.01				.08	.85	.01					.01			1.33				.57			.05			*	.80						3.71
Amity[2]	do		T.	T.	.16	1.05	.01	T.								1.58				.44	.05			T.	T.	.11	.50						3.90
Bethany	do						1.08	1.03	.32						.12	.61				.26						.72	.02						4.16
Bowling Green[2]	Mississippi						.77		.05								.02			1.07	.27						.58	.05					2.81
Brookfield	Grand					.17	.70	T.	.12								T.		T.	.21			.02	.08		.44	T.						1.74
Brunswick[2]	do				.08	.18	.49	.52		.32						T.				.92				.06	T.		.93						3.50
Canton, Lock No. 20[2]	Mississippi			T.	T.		T.	1.46	.10	.08						.09	.47	.35		.47	.02			.01	T.	T.	.58						3.63
Centralia[2]	do					.22		.18		.14										1.65	.19			.01			2.77						5.16
Chillicothe[2]	Grand					.12	.81	.47	.01	.02						.03				.51						.01	.42						2.40
Clifton Hill	Chariton					.26	.22	.06	.03	.22										1.15				.08		.74	.46						3.22
Columbia [1†]	Missouri					.27	.15	.01	.12	.01						.22				1 59			T.	T.	.01	1.22	.61						4.57
Conception	do	.06				.14	.99	T.								1.08				.51				.06		.96	T.						3.80
Edgerton	do			T.		.54	1.39	.09	T.						.50	.32			.73	.41					T.	.25	.02						4.05
Edina[2]	Mississippi				.26		.03	T.	.50	.09	.28						.88			.31	T.					T.	.75						3.10
Elsberry	do						*	*	.65	.20										1.70				.11		.44							3.10
Farber[2]	do							.43	.07											1.18	.25		T.	T.			2.34						4.27
Fayette	Missouri					.43	.57	T.	.55											2.00				T.		1.12	1.01						5.68
Fulton	do					.10	.19	T.	.50											1.97				T.		.15	.49						3.40
Gallatin[2]	Grand					.12	1.02	.38	T.							.72	T.			.83				.05		.04	.47						3.63
Grant City	do			.40	.24		.37			.02					.02	1.70	.03			.45						.99	.02						4.24
Hannibal[3] (A)	Mississippi			T.			T.	.31	.41								.69		.13	.73				T.		.94	.36						3.57
Hermann[2]	Missouri						.08	.16		1.44										1.00	.47						.34	.25					3.74
Kahoka[2]	Mississippi			*	.78			.65	.10	.18	.22					.06				.74	.04			T.		.02	1.10						3.89
Kansas City Airport [1†]	Missouri			.22	.12	.54	.49	.21	.01							T.			.92	.20		T.	.02	T	T.	.41	.01						3.15
Kansas City University	do			.23		.50	.78	.05	.42	.23						.01				.70			.01	.04		.65	T.	.06					3.68
Kidder[2]	Grand					.09	1.51	.23								1.16	.01			.75				.05		.50							4.30
King City	Missouri					.13	.93	.11								1.11				.20				T		.41	.19						3.08
Kirksville	Mississippi						.26	T.	.02						T.	.02	1.97			.34				T.		.77	.27						3.65
LaBelle[2]	do								.33	.38		.11					*	.93		.36	.02						.68						2.81
Lawson	Missouri					.33	2.13	.17	T.						.80	.02			.60	1.14						.22	T.						5.41
Linneus[2]	Grand					T.	.29	.69	.03	.03							.19			.79				.05	.01	.02	.56						2.66
Louisiana[2] (A)	Mississippi							.40		.10							.06			.87	1.06						2.30	.05					4.84
Lucerne[2]	Grand		.15	.06			.17	.37	.36							.34	.11			.41						.02	.65						2.66
Macon[2]	Chariton						.22	.26	.10	.35							.13			.70	.05			.05	.01		.79						3.48
Madison[2]	Mississippi					.02	.32	.50	.11											1.26				.02			1.25						3.82
Maryville	Missouri	.10	.06	.05		T.	1.32	.06	.03						T.	.77		T.		.22				.31		.90							2.26
Memphis[2]	Mississippi				.55			.11	.34	.02						T.	.04			.18							1.02						5.32
Mexico[2]	do						.18	.40	.05	.18										1.70	.40						2.41						2.99
Milan[2]	Grand						.12	.46	.05							.62		.26		.68			.06			.03	.71						
Moberly	Mississippi																																3.68
Monroe City	do							.14	T.	.57						.24	.41			1.30						.73	.29						3.86
New Florence[4]	Missouri					.12	.54	.06	.57	T.									T.	1.98				T.	T.	.04	.55						3.06
Oregon	do			.10		.10	.72								T.	1.00		.10		.32						.72							2.47
Palmyra[2]	Mississippi							.06	.36	.11						.02		.12		.70	.20						.90						2.71
Paris[2]	do						.09		.17	.09						.03				.85	.22			.01			1.25						3.19
Perry	do						.03	.04	.03											1.06				.03		.70	1.30						2.08
Philadelphia[2]	do								.29										.24	.48	.08						.99						1.23
St. Charles[2]	Missouri							.10	.07	.35										.33	.07			T.		.04	.05	.22					6.50
St. Joseph [1†]	do	T.		.01	.01	.13	1.76	.46							2.14	.70			.88	.02			.01	T.		.38							3.60
Saverton, Lock No. 22[2]	Mississippi							.15	T.										.91	.58	.23						1.73	T.					3.30
Shelbina	do			T.		T.		.79	.07							.40				1.06				.03		.67	.28						2.53
Shelbyville[2]	do							.70		.27										.63						.93							2.37
Steffenville	do			T.		T.	T	.23	.37	.04	T.						.62			.57				T.		.48	.06						4.09
Tarkio	Missouri	.19	.35				.97	.04								.92										1.62							4.86
Trenton	Grand					.02	1.32		.03							1.11	.04		1.52	.01		T.	.06	T.		.75							2.57
Troy[2]	Mississippi						T.	.20	.05	.60							.01			.92	.44			T.			.15	.20					3.87
Unionville[2]	Chariton			.43	.14		.04	.35	.30	.15	.30					.42	.28			.78	.02		.01				.65						4.16
Warrenton	Mississippi					.02	.27		2.09	.47										.88							.43						5.71
Keokuk, Iowa[3]	do			.37			T.	1.93	2.12	T.	.08					.01	.13		.27	.06		T.	T.	.01		.68	.05					
Southwestern Division																																
Altona[2]	Osage				1.04	1.45	1.09	.09		.10						T.				2.55	.10			T			1.73						8.15
Anderson (near)	Neosho			.73	.57	.72	1.35	.02	.67											1.10					.63	.05	1.02						6.86
Appleton City	Osage			.03	1.90	2.00	.42		.22							.07				2.40						.10	1.18						8.32
Bolivar	do					.71	.96	.03	.13											2.05				T.			.60						4.48
Boonville[2] (A)	Missouri					.40	.54	.60		.60										1.90	.11					.05	3.10						7.30
Buffalo[2]	Osage					.38	1.76	.15		.09										1.74	.25						.50	.03					4.90
Butler[2]	do				.66	2.20	.64		.12	.10										1.82	.15					.01	1.52						7.22
Caplinger Mills[2]	do					1.48	1.62	.22	.48	1.60										1.32	.05						.75						7.52
Carthage	Neosho			1.35	.03	2.85	1.63		1.62											3 42				.09	.11	.02	.83						11.95
Clinton[4]	Osage			T.	.43	1.34	.34	.02	.72							T.			1.70	1.00			.02			1.05	.39						7.01
Concordia[2]	Missouri																																
Crocker	Osage					.10	.36	.37	.87	.25										1.50						.54							3.99
Eldon[2]	Missouri					.07	.08	.08	*	.27	.56									.28	2.36						*	.54					4.24
Eldorado Springs	Osage				.13		4.71	.86	.42	.16						T.				2.21					T.	.13	1.38						10.00
Fort Leonard Wood	Gasconade					.01	.47	.70	.96	.56										.73						.05	1.05	.02					4.55
Galena[2]	White							.83	.55	.52	1.12									.32					.51		.57	.26					4.68
Hailey	do		.05				.42			2.11																	2.10	.02					4.70
Harrisonville[2]	Osage					.14	1.07	1.43		.10	.21						.02			2.08	.10					.13	2.31						7.59
Higginsville[2]	Missouri																																
Jefferson City[2]	do						.01	.26	.34		.45									2.58	.45						.64						4.73
Joplin[3]	Neosho			3.55	.48	.82	2.99	.01	.48											3.01				1.48			.90						13.72
Lakeside[2]	Osage					.06	.09	.52	.09	T.	.37									1.42	.15						.56	.02					3.28
Lamar[2]	Neosho			.10	.05	2.05	.75	.55		.10										1.40	.20				T.		.80						6.00
Lebanon[2]	Osage				.09		1.90	.34	.02	1.00										1.08	.45						.26	.22					5.36
Lexington[2]	Missouri			.05		.41	.96	.75		.29										.94	.06			.08			.82						4.36
Lockwood	Osage			T.	T.	2.32	.64	.06	.24											2.95				.14	.01		.85						7 21
Manes[2]	Gasconade																																
Marshall	Missouri						.79	.92	.03	.05										1.28				T.		1.28	.89						5.24
Mountain Grove	White						.38	.85	2.98	.62	.31									.07							.20						5.41
Mount Vernon	Neosho				*	*	*	*	3.50											1.90				.25		.05	.60						6.30
Neosho	do			2.87	.23	1.87	1.51	.13	.32											2.78				.54			2.10						12.35
Nevada	Osage	T.		*	.89	2.60	2.04	.02	.13							.07				2.46						.23	1.20						9.64
Osceola[2]	do					2.17	.45	.15	.65											2.49	.08						1.33						7.32
Ozark Beach[2]	White						.04		.32	.87										.18	.25				.36	.02	.09	.23					2.36
Pleasant Hill[2]	Osage		.10	.08	.88	1.44	.33	.03	.28					T.			.02			1.15	.13			.03	T.	.03	1.93						6.43
Roby	Gasconade					1.58	.42	1.06	.74											.59						.03	.35						4.77
St. Thomas (near)[2]	Osage				2.20		.31	.30		.28										1.68	.20						.54						5.51
Sedalia	Missouri					3.40	1.17		.15	.02										3.08				.02		.50	1.88						10.22
Seligman	Neosho		.11	T.	.60	.95	.30		2.88											.81						.40	.62						6.67
Seymour (near)	White					.80	.05	.47	1.10											.61					.05		.75						3.83
Springfield [1†]	do				T.	1.33	.15	T.	.93										.01	1.41				.10	T.	T.	.60						4.53

Continued on next page

Daily Precipitation for September 1942 Continued from preceding page

Stations	Drainage basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																	
Stover[2]	Missouri					1.43	1.44			1.34										2.00						.05	.85						7.11
Sweet Springs	do					.99	.67	.12	.25	.01										1.58				.08		1.53	1.19						6.42
Warrensburg	do			T.		3.60	.66		.22											2.22	.09		.03			2.42	1.40						10.64
Warsaw (A)	Osage			.01		1.78	1.01		.40							.05				2.68					T.	1.17							7.10
Wasola	White					*	.51	.10	.73											.01				*	.19		.22						1.79
Waverly[2]	Missouri				.25	1.15	.73		.15											.92	.06						1.26						4.52
Southeastern Division																																	
Advance[4]	St. Francis			.05	.03			.86	.31	.41						T.	.07	.03	T.	.01							T.						1.77
Alton (near)	Black						.48	.44	.51	.15								.06								.20							1.87
Annapolis	St. Francis				.10			1.58	.85	.42										.05							.43						3.43
Arcadia[2]	do				.13			1.58	.18	.72								.08	T.		T.						T.	.32					3.01
Belleview	Meramec						.66	.64	1.20																		.29						2.79
Birch Tree(near)	Black					.41	.33	.62	.70									.05									.39						2.50
Brugg City	St. Francis		.78				T	T	.14								T.	.15	.17	.06				.13	.02		T.						1.75
Campbell	do					.13	.08	.55								T.		.08		.02	T.					.02	T.	.04					0.92
Cape Girardeau[2]	Mississippi							.71	.87	.03							T.	T.	T.	.02													1.63
Carruthersville[2]	do								.53									.15			T.			.12									0.80
Centerville[2]	Black					.85	.09	1.06										.06	.04							T.		.27					2.37
Crystal City	Mississippi			1.02			.26		1.03											.70							.22						3.23
Deering[2]	St. Francis			.05			.03			.50	T.							.14	.05	.10	.15				T.	T.	T.						1.02
Dexter[2]	do								.61	.52	.04				.11				.09		.07					.02		.05					1.51
Doniphan	Black	.05					.10	.21	1.71	.04						.05	.20	.15									.15	T.					2.69
Farmington	St. Francis						T.	.57	.60	.50								T.		T.						T.	.34						2.01
Fisk[2]	do							.06	.23	.11								.17								.09		.04					0.70
Fredericktown[2]	do							.08	.78	.99									.10									.12					2.07
Gerald[2]	Meramec							.56	.50						.46	.31										.64	.23						2.73
Goodland	Black							.40	.88	1.36																	.18						2.82
Greenville	St. Francis							.58	1.43	.08						.08		.05									.11	.07					2.40
Jackson	Mississippi			.01				.02	.48	.60						.06		.04									.11						1.32
Jefferson Barracks	do							.36	2.19	.16										.50							.26						3.47
Jerome[2]	Gasconade				.13	.39	.44	.60	.30	.89										.73							.43						3.91
Koshkonong	Black						2.20	2.10	.59	.78								.05	.10	T.							.43						6.25
Leeper[2]	do							.60	.90	.66								.04										.20					2.40
Licking (near)	Gasconade						1.32	.84	.65	.09										.36	T.						*	.31					3.57
Marble Hill	Mississippi				.48			.60	.37							.05	.12																1.62
Meramec Park[2]	Meramec				.63				.72	.47										1.01	.23						.63						3.69
Morehouse	Mississippi								.14	.25						.03		.02									T.						0.44
New Madrid[2]	do								T	.67						T.		T.	.01	T.	.06				T.	T.	.01						0.75
Owensville[2]	Gasconade							.15	.42		.64									.41	.52		.05				.38						2.57
Pacific[2]	Meramec									.47					T.						T.							.70					1.17
Parma[2]	St. Francis								.08	.35									T.														0.43
Perryville[2]	Mississippi				.28				.46	.94								T.	T								.20						1.88
Poplar Bluff[2] (A)	Black							T.	2.15	1.02					T.			.13	T								T.						3.30
Richwoods[2]	Meramec							.59	.80	.70										.45	.40												2.94
Rolla[4]	do				.44	.13	1.09	T.	.91											.81						T.	.02	.55					3.98
St. Louis:																																	
City Office[1‡]	Mississippi						T.	.91	.36	.05						T.		T.		.49				T	T.	.02	.16						1.99
Airport[4‡]	Missouri						T.	.20	.32	.02						T.		T.		.79				T.	T.	.04	.09						1.46
St. Louis Univ.[3‡]	Mississippi						T	2.00	.35	.06				T.		.27				.46						T.	.12						3.26
Washington Univ.[2‡]	do						.37	1.35	2.27								.38			.34	.04							.17					4.86
Salem	Meramec						.31	1.14	.68	.66										.33							.19						3.37
Sikeston[2]	Mississippi							T	.10	.17							T.	.02	.02		.48					.02		T					0.81
Union	Meramec						.59	.16	.65	.56										.96							.36						3.28
Valley Park[2]	do							.14	.65	.90		T					.18		T.	.51	.09					T.	T.	.05					2.52
Van Buren	Black							.55	.98	.26																	.23						2.02
Wappapello Dam[2]	St Francis							.08	1.66	.58						.27	T.	.10	T.	.06	.01					.01		.07					2.84
Weingarten[2]	Mississippi																																
West Plains[4]	Black					4.45	.48	1.18	.80	.22								.08	T	T.					.04		T.	.39					7.64
Williamsville[2]	do							.52	1.38	.50	.01						.05	.14	.02	.03	.01					.03		.20					2.89
Willow Sprgs (near)	White						1.63	.20	.72	.89							T.	T.	.11					.02	.02	.03	.27						3.89
Zalma(near)	Mississippi							.14	.82	.34				T.		.03		.08	.03	.02								.09					1.55
Cairo, Ill [1‡]	do				T.		T.	T.	.25	.05						T.	T.	.03	.01	.62						T.		T.					0.96

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for September 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.201	.200	.212	.193	.077	.015	.030	.081	.016	.127	.172	.197	.189	.212	.240	.192	.229	.241	.275	.067	.122	.193	.143	.262	.127	.014	.074	.103	.126	.184	....	4.514
	Mean temperature	80	79	78	74	70	72	76	72	76	77	78	80	82	79	78	78	78	79	58	58	59	56	64	48	47	46	48	48	55	62	..	67.9
	Wind movement	12	9	11	19	34	21	16	9	22	21	22	18	23	24	38	31	39	46	74	69	29	49	28	111	49	72	95	43	30	61	..	1,125
St. Louis (Washington University)	Evaporation	.131	.170	.185	.166	.095	.118	.096	.146	....	.107	.134	.175	.191	.137	.212	.140	.186	.112	.183	.078	.132	.225	.101	.162	.127	.062	.028	.108	.086	.140	..	4.072
	Mean temperature	77	77	74	73	72	76	77	74	76	76	77	80	81	81	77	78	78	82	70	58	56	57	62	48	48	48	46	44	52	68	..	68.1
	Wind movement	2	2	2	25	2	3	6	5	5	2	2	3	9	11	26	34	23	30	43	57	37	32	20	44	31	28	39	32	14	33	..	602

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for September 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	95	96	71	77	73	76	86	76	84	91	92	87	94	94	83	92	90	90	63	67	74	65	71	54	47	44	56	58	74	82	..	76.7
	Minimum	68	67	66	63	65	65	65	67	67	66	66	68	68	67	68	66	70	70	55	43	44	43	44	36	35	40	32	30	29	42	..	55.8
Chillicothe §§	Maximum	93	92	70	76	73	72	82	74	84	89	92	81	92	92	84	91	88	88	63	68	74	66	69	55	42	44	59	59	77	86	..	75.8
	Minimum	70	67	65	61	63	63	62	63	66	66	66	71	63	58	64	65	66	70	53	39	40	41	43	33	37	40	33	24	32	44	..	54.3
Columbia	Maximum	91	93	83	80	73	77	82	75	82	91	91	91	92	92	87	90	90	92	71	67	72	64	75	55	47	45	57	58	73	83	..	77.3
	Minimum	70	69	66	66	68	66	69	68	67	67	69	71	68	71	70	70	69	71	51	44	48	43	43	36	41	41	33	34	42	54	..	58.0
Fayette	Maximum	91	91	83	78	76	77	82	80	83	89	90	89	92	93	88	90	88	91	80	65	72	68	72	61	51	44	56	57	73	81	..	77.7
	Minimum	62	63	67	63	65	63	66	68	64	63	64	67	65	68	65	66	66	70	53	42	39	40	48	33	38	39	30	28	38	46	..	55.0
Grant City	Maximum	88	91	69	73	78	77	81	80	82	89	89	85	89	85	82	88	85	84	62	67	57	65	64	55	46	44	55	56	74	85	..	74.2
	Minimum	68	68	60	59	64	57	61	57	58	59	67	64	62	60	62	66	66	56	48	34	42	38	45	30	36	37	29	28	40	48	..	52.3
Hannibal	Maximum	89	90	75	77	74	78	84	77	83	89	91	87	91	92	87	90	88	93	71	65	72	64	68	55	45	49	56	55	69	83	..	76.2
	Minimum	68	67	63	60	64	62	67	65	65	63	66	68	63	68	68	68	68	70	54	43	44	41	44	34	38	39	33	30	37	49	..	55.6
Kansas City Airport	Maximum	95	90	73	75	73	80	84	77	87	88	92	80	93	93	85	90	88	88	62	68	75	65	75	55	49	47	58	60	77	82	..	76.8
	Miuimum	78	70	64	63	68	67	68	65	67	71	74	69	68	75	66	72	70	59	50	45	50	46	43	37	42	38	34	34	50	59	..	58.6
Kirksville	Maximum	95	95	82	76	76	76	86	77	84	93	94	85	93	88	86	90	90	88	81	68	75	69	64	54	46	48	56	59	73	85	..	77.7
	Minimum	67	66	61	57	63	63	66	63	65	63	63	69	60	70	63	62	67	69	52	40	40	40	47	31	33	38	30	25	37	48	..	53.9
Lawson	Maximum	95	94	79	75	76	78	82	75	88	90	92	82	92	93	83	90	89	90	70	68	76	68	65	55	52	45	58	60	72	85	..	77.2
	Minimum	69	66	63	61	65	63	69	62	63	66	66	71	62	67	61	67	65	66	52	37	41	40	45	30	40	38	29	27	45	53	..	55.0
Louisiana §§	Maximum	85	85	69	75	73	75	81	73	78	82	85	88	91	92	88	90	88	93	70	66	72	65	72	50	46	49	56	54	69	84	..	74.8
	Minimum	62	65	65	63	63	65	69	63	69	60	60	62	65	65	69	64	67	67	60	47	37	37	42	37	37	39	32	27	27	37	..	54.1
Macon §§	Maximum	91	95	68	77	71	78	84	74	83	89	90	85	91	92	84	90	88	90	64	68	71	65	67	56	45	49	59	58	73	83	..	75.9
	Minimum	65	68	66	61	62	63	63	64	64	64	66	68	63	65	65	65	66	70	54	40	41	40	41	33	33	38	31	26	27	41	..	53.8
Maryville	Maximum	89	89	67	71	75	70	77	74	81	88	88	83	89	86	83	88	82	84	61	65	74	65	62	53	49	43	55	53	72	84	..	73.3
	Minimum	70	67	60	60	65	62	67	62	65	68	70	62	64	62	67	66	60	48	38	42	36	44	30	37	37	30	30	42	51	54.2		
Mexico §§	Maximum	94	96	80	80	75	77	87	75	86	94	96	95	96	97	90	95	93	95	60	70	76	70	75	58	47	49	60	60	75	86	..	79.6
	Minimum	65	67	67	64	64	63	66	69	68	63	66	67	65	69	67	68	69	68	55	42	42	40	42	33	34	38	33	27	28	41	..	55.0
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	92	93	75	71	76	75	80	80	86	91	92	85	93	90	96	90	87	85	60	69	78	70	67	57	51	45	57	59	79	88	..	77.2
	Miuimum	71	69	62	61	65	64	68	74	64	64	70	66	62	65	61	69	67	58	50	39	46	40	44	30	39	38	29	30	47	56	..	55.6
St. Charles §§	Maximum	90	95	80	82	79	83	88	77	86	91	94	97	96	96	90	93	89	95	71	69	74	69	74	59	53	48	59	58	71	88	..	79.8
	Minimum	74	64	67	61	66	66	68	70	68	65	66	67	70	70	68	69	70	72	71	49	42	47	48	36	42	45	37	31	37	43	..	58.3
St. Joseph	Maximum	91	91	69	72	73	75	81	76	85	89	91	78	91	92	83	89	86	88	63	67	76	65	64	55	47	46	57	59	75	86	..	75.3
	Minimum	73	69	62	62	67	64	68	66	64	69	72	66	65	66	63	71	69	56	47	42	47	44	41	35	42	35	33	33	46	60	..	56.6
Trenton	Maximum	92	96	89	75	74	73	83	75	84	89	91	88	92	89	84	90	84	89	80	67	73	67	60	55	54	49	58	57	74	86	..	77.2
	Miuimum	70	78	66	67	67	63	64	64	65	66	65	68	63	70	65	67	65	70	53	40	41	40	47	33	34	38	31	27	40	50	..	55.9
Unionville §§	Maximum	92	95	65	81	74	72	83	78	90	92	91	81	91	95	85	95	90	88	68	70	76	73	64	64	48	47	60	63	74	87	..	77.7
	Minimum	65	66	60	54	54	60	61	63	64	64	65	65	61	62	65	64	65	67	52	37	38	38	38	30	31	32	28	26	26	41	..	51.4
Warrenton	Maximum	90	92	80	79	79	81	86	80	82	89	89	92	91	92	88	88	86	91	80	66	68	64	73	69	49	50	58	55	70	83	..	78.0
	Minimum	67	65	65	65	65	63	67	68	66	64	66	67	67	67	65	67	68	70	55	45	43	43	45	35	39	40	32	30	36	50	..	56.2
Keokuk, Iowa	Maximum	88	90	73	77	74	75	82	76	80	86	89	78	88	89	84	88	86	89	65	64	70	65	64	52	46	49	53	55	67	83	..	74.2
	Minimum	73	72	61	62	67	65	68	68	67	65	70	70	65	71	69	69	71	65	51	45	45	43	43	35	33	38	35	34	42	55	..	57.2
Southwestern Division																																	
Clinton	Maximum	95	96	86	76	72	77	83	78	86	90	93	92	92	93	86	91	89	90	63	70	74	68	79	65	49	46	64	61	79	82	..	78.8
	Minimum	69	67	66	65	66	65	68	66	66	65	69	69	66	68	64	68	68	63	48	44	43	43	42	34	43	37	30	33	43	52	..	56.3
Eldon §§	Maximum	91	93	90	80	72	76	84	73	85	90	92	93	93	93	87	91	90	92	59	67	75	66	80	66	50	46	61	60	74	83	..	78.4
	Minimum	54	65	65	65	65	65	65	67	65	64	63	64	66	68	67	65	67	66	59	43	42	42	44	35	33	41	31	32	31	36	..	54.5
Harrisonville §§	Maximum	92	93	74	77	71	76	81	75	83	86	91	90	91	92	84	88	86	88	62	70	74	67	78	56	45	46	64	59	75	83	..	76.6
	Miuimum	69	66	65	59	60	63	65	64	63	64	67	68	65	66	64	65	65	67	51	40	42	40	42	32	34	38	28	30	34	44	..	54.0
Jefferson City §§	Maximum	92	93	83	82	74	76	84	73	84	89	91	94	92	94	87	91	90	93	60	68	73	66	78	57	52	45	59	67	73	83	..	78.1
	Miuimum	62	63	64	63	63	62	64	65	63	62	63	64	65	68	65	65	65	66	57	41	38	38	42	33	33	39	31	31	35	39	..	53.6
Joplin	Maximum	92	88	77	79	75	74	77	73	82	86	89	90	90	89	86	86	86	88	77	66	71	62	80	55	72	52	62	63	73	76	..	77.2
	Minimum	73	73	72	70	70	70	69	70	68	72	73	75	72	74	70	72	71	77	53	48	47	50	54	45	49	40	35	40	46	57	..	61 8
Lamar §§	Maximum	93	94	75	83	72	76	76	73	83	86	90	93	92	91	86	88	87	87	59	70	75	68	83	57	69	55	66	65	76	79	..	78.2
	Miuimum	65	64	63	63	62	62	61	61	62	61	62	64	63	63	61	61	63	63	52	39	38	38	41	36	34	35	25	25	32	40	..	52.0
Lebanon §§	Maximum	93	94	92	84	77	82	80	74	85	89	92	92	91	90	87	87	87	88	69	65	72	65	79	56	66	45	59	62	71	80	..	78.4
	Minimum	62	61	64	65	65	65	66	63	62	64	65	65	65	63	63	66	66	67	41	39	39	43	33	32	41	29	29	29	39	..	53.9	
Lexington §§	Maximum	95	95	73	78	72	78	84	74	86	89	92	85	93	93	85	91	88	90	62	70	75	68	72	60	46	44	63	62	72	84	..	77.3
	Minimum	70	69	69	63	64	65	66	66	66	66	68	69	69	69	66	66	69	69	54	44	44	44	44	35	37	40	33	32	33	46	..	56.5
Marshall	Maximum	96	97	96	82	81	72	88	88	81	88	93	96	92	91	90	90	93	90	89	80	75	71	65	63	53	48	54	59	77	79	..	80.7
	Minimum	70	67	70	63	67	62	64	67	65	65	69	71	70	66	65	69	69	71	53	49	42	43	49	34	40	40	41	29	40	54	..	57.5
Mountain Grove	Maximum	90	89	87	86	85	80	83	76	84	87	91	91	90	82	85	83	87	80	70	74	64	80	72	64	64	61	62	69	80	..	79.6	
	Miuimum	63	65	64	64	66	65	64	67	65	63	66	67	66	66	63	67	67	70	54	44	39	47	45	39	42	36	32	32	36	45	..	55.6
Neosho	Maximum	92	92	92	80	80	83	82	82	86	89	90	91	92	91	87	89	88	89	87	67	74	74	81	75	74	72	65	66	76	80	..	82.2
	Miuimum	64	67	70	68	65	67	64	66	64	65	66	66	64	65	63	66	66	72	55	45	38	46	47	42	48	41	29	36	42	45	..	56.7
Nevada	Maximum	95	94	82	82	75	79	81	79	85	89	92	93	92	92	86	89	88	88	85	71	74	73	82	74	53	51	65	65	76	79	..	80.3
	Miuimum	69	67	70	65	65	67	66	67	65	63	67	69	65	67	65	64	66	72	52	43	42	44	44	35	44	39	29	33	44	50	..	56.6
Sedalia	Maximum	93	95	92	84	82	77	81	81	83	90	92	91	93	92	89	90	88	91	85	66	72	72	77	64	53	44	60	59	75	80	..	79.7
	Miuimum	69	68	70	64	65	64	68	67	65	66	68	69	67	69	64	69	69	72	52	40	44	41	49	32	40	39	32	30	41	53	..	56.9
Springfield	Maximum	90	90	84	87	78	80	78	74	84	86	88	89	89	88	85	86	85	87	74	67	71	62	78	54	67	59	60	60	70	78	..	77.6
	Minimum	67	66	67	66	68	68	66	66	65	65	68	68	65	66	73	66	68	71	49	43	42	47	46	39	45	38	30	37	42	46	..	56.8
Warrensburg	Maximum	96	96	86	84	72	78	81	81	84	89	92	90	91	93	86	91	87	93	83	69	74	76	70	67	51	45	62	60	75	81	..	79.4
	Minimum	71	68	66	63	65	65	67	66	64	67	68	70	66	73	64	69	67	71	52	42	45	42	45	32	40	40	29	30	42	48	..	56.6
Southeastern Division																																	
Arcadia §§	Maximum	93	94	89	83	86	82	86	83	87	93	92	96	97	94	88	88	85	89	80	73	76	72	82	63	65	57	62	63	72	84	..	81.8
	Minimum	57	57	58	62	60	62	63	65	65	63	58	58	61	65	60	61	58	68	72	47	33	34	38	38	38	42	35	27	27	28	..	52.0
Birch Tree (near)	Maximum	90	89	88	84	87	82	84	83	84	89	90	94	94	89	85	86	85	87	81	69	70	71	81	72	66	61	60	61	70	79	..	80.4
	Minimum	59	62	60	64	64	41	66	63	59	60	60	60	63	60	58	60	63	72	57	43	36	41	40	39	42	38	35	32	31	38	..	52.2
Caruthersville §§	Maximum	86	86	85	87	88	87	89	88	83	85	87	89	81	91	86	84	86	87	91	70	71	73	80	63	73	70	60	60	71	76	..	80.4
	Minimum	67	64	64	63	67	68	70	70	66	65	64	65	63	63	69	68	70	72	55	48	46	47	46	46	49	37	38	38	40	..	58.6	
Crystal City	Maximum	90	91	90	81	81	82	90	82	85	89	90	93	91	93	88	90	87	91	81	68	72	67	80	68	59	55	59	58	70	87	..	80.3
	Miuimum	59	56	60	65	62	65	66	69	65	58	60	69	68	62	60	62	67	67	60	46	35	45	39	34	36	39	36	32	28	39	..	53.6
Doniphan	Maximum	89	90	90	87	89	85	90	85	87	90	90	96	96	93	87	88	87	83	82	72	74	73	83	76	69	60	61	60	72	81	..	82.2
	Minimum	62	60	61	62	63	67	66	68	68	63	58	58	65	60	64	62	70	68	61	48	38	42	43	45	46	40	31	30	29	35	..	54.4
Farmington	Maximum	90	92	88	82	82	80	85	83	85	89	91	93	94	93	86	89	86	89	85	68	72	66	78	73	64	61	59	58	72	84	..	80.6
	Minimum	66	68	72	67	66	67	65	68	66	67	67	73	73	66	72	69	70	74	57	47	36	46	42	37	38	39	38	31	31	52	..	57.7
Jackson	Maximum	89	89	88	84	85	83	87	86	84	88	90	92	94	92	87	85	84	87	87	69	73	70	77	77	65	65	57	58	69	78	..	80.6
	Minimum	64	62	66	66	65	66	70	71	69	67	63	62	60	68	70	68	71	74	67	53	41	45	41	41	41	46	39	33	31	41	..	57.4
Poplar Bluff	Maximum	91	91	91	87	89	89	91	84	88	91	92	91	96	93	87	87	88	87	89	74	76	77	84	69	74	68	64	63	74	85	..	83.7
	Minimum	66	63	63	57	65	67	67	66	68	66	64	62	64	66	65	65	67	73	72	49	44	46	46	44	45	43	34	35	35	40	..	57.2
Rolla	Maximum	89	90	90	77	77	81	82	73	83	87	88	91	91	90	85	87	86	89	77	65	70	64	76	55	62	58	57	58	70	83	..	77.7
	Minimum	65	64	61	66	66	64	66	66	65	65	67	68	68	69	66	66	66	72	48	44	44	43	46	34	42	37	33	32	34	45	..	55.8
St. Louis	Maximum	89	91	84	82	79	83	86	80	84	89	91	94	93	93	88	89	88	90	80	66	71	65	77	55	55	55	55	57	69	87	..	78.8
	Minimum	71	71	69	66	68	67	69	71	69	69	73	71	71	75	71	71	71	74	55	51	50	49	50	40	44	41	40	36	41	53	..	60.6
Salem	Maximum	93	91	90	83	85	84	85	79	95	86	91	94	94	92	87	89	87	90	83	68	74	67	80	74	63	60	60	60	71	85	..	81.3
	Minimum	60	63	64	67	64	65	65	67	65	63	61	65	67	65	64	65	69	72	55	44	36	47	45	36	41	38	34	30	34	47	..	55.3
Sikeston §§	Maximum	91	92	91	85	86	91	93	88	86	92	94	97	95	95	89	86	89	91	90	71	76	75	84	66	73	74	61	61	75	84	..	84.0
	Minimum	66	63	64	65	66	67	66	70	69	66	62	63	68	67	67	66	68	71	72	53	41	42	44	44	44	46	34	34	34	35	..	57.2
Union	Maximum	94	96	88	80	80	86	88	81	87	92	93	97	94	96	90	92	91	94	85	60	75	69	80	71	58	55	61	61	74	88	..	81.9
	Minimum	62	59	61	66	64	62	65	68	65	59	59	63	67	63	60	63	62	69	56	45	37	44	43	35	39	39	35	29	30	40	..	53.6
West Plains	Maximum	89	89	89	87	86	80	86	82	85	88	89	92	93	89	86	85	85	87	79	70	73	71	82	61	66	56	61	60	70	79	..	79.8
	Minimum	59	60	60	62	66	67	67	70	66	61	60	62	64	62	60	61	69	72	54	42	38	43	42	41	46	38	34	34	31	36	..	54.2
Cairo, Ill.	Maximum	88	86	86	82	85	88	90	87	85	89	91	92	92	91	87	85	87	86	88	70	72	71	80	65	69	70	59	59	70	78	..	80.9
	Minimum	70	68	67	69	67	67	73	71	72	69	68	69	73	71	72	71	72	75	59	57	51	53	50	48	48	43	40	39	40	50	..	61.4

*, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 10-21-42—1100.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

Vol. XLVI OCTOBER 1942 No. 10

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The past month was a normal October, averaging only 0.3° warmer than normal and exactly normal with regard to precipitation. It was in marked contrast to the same month a year ago, when the wettest October of record occurred and precipitation averaged 10.14 inches for the State, as a whole, compared to 2.97 inches for the current month.

Temperatures were moderate and quite uniform over the entire State during October, with no unusually high or low extremes and no extended periods of unusually warm or cold weather. The warmest days occurred during the first decade with the coldest days occurring on the 26th and 27th. The low temperatures of the latter period ended the growing season in sections of the State that did not have killing frost in September.

Although precipitation averaged exactly normal the distribution this month was quite irregular, the Southwestern and Southeastern Divisions averaged 3 71 inches and 3.36 inches respectively, while the Northern Division averaged only 1.83 inches. There was a ten-day period from the 6th to 16th when no precipitation occurred, except very light amounts locally at a few stations. Periods with precipitation were 3d-5th, and intermittently from the 16th to the end of the month. On the 29-30th there was a rather heavy concentration of precipitation over the east-central and southern portions of the State, with amounts ranging to as much as seven inches in a twenty-four hour period. However, most streams were at comparatively low stages before this heavy rain and no flooding occurred in the larger streams in the rain area.

Snowfall this month was of no consequence, only a few stations, principally in the Northern Division, reporting only a trace.

The mild open weather was quite favorable for seasonal farm activities and much progress was made in gathering the corn crop which was making good to excellent yields. Fall-sown small grains and fall pastures made good growth throughout the month, except it was too dry in some areas for best results. The supply of feed and forage for winter feeding was the best in years. Fall pastures were providing plenty of grazing and very little feeding was necessary during the month. Livestock were in good to excellent condition.—M. R. W.

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 58.0°, or 0.3° warmer than normal. The highest monthly mean was 62.9° at Campbell, and the lowest monthly mean was 54.0° at Edgerton. The highest recorded was 90° at Albany on the 2d and at Greenville on the 9th, and the lowest was 13° at Grant City on the 26th.

PRECIPITATION

The average for the State, 156 stations reporting, was 2.97 inches, or exactly normal. The greatest local monthly amount was 8.20 inches at Seligman, and the least local monthly amount was 0.62 inch at Kahoka. The greatest amount in any twenty-four hours was 7.00 inches at Centerville on the 30th. The average number of days with 0.01 inch or more was 6.

A trace of snow occurred at a few stations, principally in the Northern Division.

MISCELLANEOUS PHENOMENA

Earthquake.—Slight on 2d at Maplewood, suburb of St. Louis.

(Continued on page 57)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.01*	30.33*	10	29.39*	22	6 4	24	nw.	22	85*	51*	60*	67
Kan. C. Airport	30.01	30.33	10	29.43	21	8 9	33	sw.	21	80	50	57	70
St. Joseph	30.01*	30.33*	10	29.43*	21	7.8	22	nw.	25	89*	50*	63*	70
St. Louis	30.02*	30.32*	10	29.39*	22	11.0	38	sw.	30	73	49	49	70
Springfield	30.03	30.21	9	29.46	22	8.9	30	se.	28	84	52	63	60
Cairo, Ill	30.03§	30.30	9	29.52	22	6.9	32	s.	30	84	52	..	71
			..		..		..		..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	53.6	89	24	2.72	2.02	3.32	2.82	....	6	..	..	..
1889	53.8	91	22	2.32	2.54	2.05	2.38	....	5	..	..	..
1890	54.8	91	20	2.35	3.01	2.70	1.33	....	7	..	..	..
1891	55.7	92	20	1.05	1.31	1.09	0.76	....	5	..	..	..
1892	57.5	95	16	2.40	2.04	2.78	2.39	0	5	16	7	8
1893	56.7	95	16	1.12	0.48	0.91	1.97	....	3	20	8	3
1894	57.6	94	18	1.82	2.09	1.26	2.12	T.	6	17	8	6
1895	51.2	89	14	0.42	0.26	0.34	0.66	T.	2	21	6	4
1896	54.1	90	19	2.48	2.70	2.43	2.32	0	5	19	6	6
1897	62.5	99	23	0.74	0.55	0.81	0.87	0	3	22	6	3
1898	53.5	95	19	4.35	4.26	4.18	4.61	1.4	8	11	7	13
1899	62.4	100	24	3.16	1.98	3.58	3.93	0	5	20	6	5
1900	62.4	92	25	3.96	5.23	3.78	2.86	0	7	17	7	7
1901	60.1	96	24	1.69	1.55	1.63	1.89	0	6	18	8	5
1902	59.5	88	23	2.41	2.90	2.30	2.02	0	5	21	5	5
1903	57.3	90	19	3.06	2.19	3.76	3.22	0	5	19	6	6
1904	57.6	90	19	0.88	0.93	0.81	0.90	0	3	20	7	4
1905	55.1	90	20	4.85	3.67	5.78	5.09	0.3	10	15	7	9
1906	56.3	94	17	1.06	0.66	0.89	1.62	0	5	17	6	8
1907	56.7	94	18	2.93	2.02	3.62	3.14	0	7	17	6	8
1908	56.3	92	21	2.39	3.60	3.11	0.45	0.8	5	18	6	7
1909	57.2	96	20	2.72	3.45	2.99	1.71	T.	6	19	5	7
1910	59.4	94	15	2.97	0.97	1.76	6.18	0	5	22	4	5
1911	56.9	96	25	3.16	3.81	3.31	2.36	0.2	8	11	7	13
1912	59.1	97	21	3.78	3.87	4.29	3.17	0.7	6	20	5	6
1913	54.7	93	11	4.65	3.68	3.92	6.36	3.3	9	15	6	10
1914	59.2	88	19	4.59	4.32	4.28	5.17	0	7	14	6	11
1915	59.8	95	22	1.22	0.77	1.61	1.29	0	3	23	5	3
1916	58.0	95	20	2.12	2.53	2.03	1.79	0.3	6	18	5	8
1917	49.8	93	12	1.15	1.25	0.77	1.43	0.2	6	16	8	7
1918	60.6	95	28	3.45	3.02	3.51	3.82	0	7	14	6	11
1919	58.4	98	17	7.07	3.49	8.48	9.23	0	11	10	7	14
1920	61.3	93	18	3.14	1.94	3.76	3.73	T	7	17	6	8
1921	57.9	92	24	2.15	2.78	2.20	1.47	0	5	21	5	5
1922	59.9	97	18	2.04	2.00	1.84	2.28	0	5	20	5	6
1923	53.0	89	17	3.55	2.40	4.40	3.84	0.1	9	15	5	11
1924	61.8	92	21	1.22	1.54	1.59	0.52	0	4	22	5	4
1925	48.6	92	− 3	4.98	3.70	4.12	7.12	2.4	10	8	8	15
1926	57.3	93	21	4.73	4.43	4.98	4.77	0	9	14	6	11
1927	60.9	93	26	4.59	5.49	5.33	2.96	0	5	22	5	4
1928	60.9	94	22	3.82	3.85	2.91	4.71	0	8	15	8	8
1929	57.2	91	23	5.36	6.30	5.97	3.80	T.	10	15	6	10
1930	55.3	92	11	3.09	2.43	3.68	3.17	T.	6	16	6	9
1931	61.7	95	27	3.37	3.89	3.99	2.23	0	8	15	7	9
1932	55.7	90	22	3.54	2.79	3.19	4.65	0	5	18	5	8
1933	56.4	86	23	2.90	1.68	3.78	3.25	0	7	17	8	6
1934	61.1	90	24	2.50	2.22	3.02	2.25	0	4	22	5	4
1935	57.1	90	21	3.47	2.04	4.42	3.94	T.	10	12	7	12
1936	56.7	89	20	3.55	2.45	3.76	4.43	T.	8	16	6	9
1937	56.3	98	15	2.44	1.57	1.89	3.86	T	7	16	6	9
1938	63.9	99	19	1.23	1.11	1.50	1.09	0	3	24	4	3
1939	61.1	100	19	1.89	1.39	1.92	2.35	0	6	21	7	3
1940	63.0	94	28	1.73	2.31	1.65	1.23	0	6	20	6	5
1941	61.6	92	20	10.14	10.41	11.57	8.45	T.	17	8	8	15
1942	58.0	90	13	2.97	1.83	3.71	3.36	0	6	17	6	8
	....	..	..	....	....	....	....	....	..	..	..	..
Period	57.7	100	− 3	2.97	2.69	3.15	3.08	0.2	6	17	6	8

Natural History Library

Climatological Data for October 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Alhany	Gentry	930	1	56.3	.....	90	2	16	26	13	3.38	+0.59	2.18	30	0	4	19	6	6	se.	Curtis E. Grace
Bethany	Harrison	916	47	56.9	+ 2.1	89	2	17	26	49	2.79	−0.13	1.86	30	T. ¶	3	20[a]	4[a]	6[a]	se.	A. S. Cumming
Brookfield	Linn	767	1	56.8	.....	85	7†	16	26	1	1.81	.....	1.50	3	0	3	21	5	5	sw.	E. W. Patrick
Brunswick	Chariton	652	61	56.7	+ 1.4	83	7†	22	26†	63	1.66	−1.34	1.31	4	0	6	20	2	9	ne.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	57.0	.....	83	8	20	26	12	0.73	−1.53	0.62	4	T.	5	10	5	6	nw.	Lockmaster
Chillicothe	Livingston	779	33	56.4	+ 1.4	86	7†	20	26†	36	2.05	−1.09	1.66	3-4	0	5	22	5	4	w.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	56.8	+ 0.1	84	7	18	26	33	1.54	−0.98	1.30	3	0	4	16	7	8	nw	Dr. A. J. Bradsher
Columbia	Boone	740	52	57.7	+ 0.8	83	2	24	26	52	1.43	−1.18	0.79	3	0	9	14	9	8	w.	U. S. Weather Bureau
Conception	Nodaway	980	53	56.8	+ 1.4	85	2	17	26	58	2.30	−0.58	1.27	30	0	3	14	9	8	nw	Fr. Adelhelm Hess
Edgerton	Platte	856	22	54.0[c]	− 2.3	..	..	15	26	39	2.79	+0.17	1.62	3	T. ¶	6	16	7	10	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	11	57.8	+ 0.3	87	1	21	26	11	2.06	−0.45	1.60	30	0	5	13	13	5	sw.	Ray E. Mills
Fayette	Howard	760	62	56.8	+ 0.4	82	7	19	26	59	1.66	−1.23	1.18	3	0	4	19	2	10	s.	Irvin E. Schnell
Fulton	Callaway	818	54	57.0	− 0.4	84	2	22	26	50	2.34	−1.08	1.04	30	0	8	18	5	8	ne.	Robert T. Wise
Grant City	Worth	1,134	38	55.4	+ 0.3	87	2	13	26	50	2.02	−1.02	1.32	30	0	3	20	6	5	nw.	Howard Rybolt
Hannibal	Marion	759	50	56.3	+ 0.3	84	7	20	26	58	1.16	−1.23	0.67	3	0	6	16	8	7	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	59.0	+ 1.3	85	9	27	26	53	2.68	−0.24	1.84	3	0	5	15	7	9	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	58.0	.....	84	2	22	26	4	2.79	.....	1.98	3-4	0	8	18	2	11	nw.	University of Kansas City
Kidder	Caldwell	1,020	50	56 8	+ 1.0	85	2	18	26	54	2.58	−0.49	1.54	4	0	5	22	5	4	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	56.4	+ 1.7	85	8	17	26	60	1.25	−1.91	1.22	3	0	4	19	5	7	sw	Howard Coons
Lawson	Ray	1,070	4	56.4	.....	86	2	19	26	4	2.90	.....	2.10	3	0	5	22	2	7	sw.	Frank G. Gstrein
Louisiana	Pike	469	48	54.7[c]	− 1.5	85	2	23	26	61	1.52	−1.76	0.47	4	0	5	11[e]	14[e]	1[e]	sw.	Stark Bro's Nurseries
Macon	Macon	875	43	55.6	− 0.7	83	7	18	26	49	1.26	−1.63	1.16	4	0	5	14	4	13	sw.	John W. Atwell
Maryville	Nodaway	1,169	52	55.8	+ 2.3	85	2	15	26	48	2.33	−0.64	1.21	29-30	0	4	20	3	8	nw.	R. B. Montgomery
Memphis	Scotland	787	3	55 1	.....	85	2†	18	26†	12	1 80	−0.13	1.80	4	0	1	16	7	8	sw.	John W. Alexander
Mexico	Audrain	800	53	57.0	+ 0.7	88	7	21	26	64	1.78	−1.29	0.72	4	0	8	19	2	10	ne.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	....	.....	..	..	..	..	5	....	.....	....	.....	....	..	..	..	..	.....	Moberly Water Dept.
Oregon	Holt	1,048	86	57.8	+ 2.7	89	2	18	26	86	3.13	+0.38	2.20	30	0	2	22	4	5	se.	Miss Mina Wright
St. Charles	St. Charles	520	54	58.4	+ 0.2	86	1†	22	25†	64	3.60	+0.42	2.98	30	0	7	16	11	4	nw.	Martin L. Comann
St. Joseph	Buchanan	957	32	57.8	+ 1.8	89	2	23	26	70	1.74	−1.15	0.88	3	0	6	19	5	7	e.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	57.1	.....	84	2	23	26	4	1.37	.....	0.59	4	0	5	17	11	3	w.	Lockmaster
Shelbina	Shelby	779	1	56.2	.....	84	7	17	26	49	1 21	−1.40	0.99	3-4	0	7	15	7	9	sw.	Guyman Hatcher
Steffenville	Lewis	650	44	56.0	− 1.4	84	7†	18	26	49	1.01	−1.72	0.87	3-4	0	6	22	6	3	se.	Samuel D. Gross
Tarkio	Atchison	916	39	56.2	+ 1.4	85	2†	17	26	48	2.78	−0.03	1.87	3	0	3	17	8	6	sw	Albert Volker
Trenton	Grundy	822	46	57.3	+ 1.4	85	2†	20	26	47	1.90	−1.23	1.16	3-4	T. ¶	7	17	8	6	s.	W. H. Estes
Unionville	Putnam	1,062	49	57.3	+ 2.1	88	1†	15	26	49	1.80	−1.33	1.16	4	0	5	19	6	6	w.	C. D. Wilson
Warrenton	Warren	816	60	57.6	+ 1.6	83	2	22	26	52	2.13	−1.31	1.45	30	0	9	19	5	7	ne.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	70	56.6	+ 1.2	84	8	20	26	70	0.69	−1.57	0.53	3	T.	5	12	8	11	sw.	U.S. Weather Bureau
Division means and extremes		.....	..	**56.7**	**+ 0.8**	**90**	**2**	**13**	**26**	..	**1.83**	**−0.86**	**2.98**	**30**	**0**	**5**	**18**	**6**	**7**	**sw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	38	57.0	− 1.7	84	10†	20	26	43	7.43	+3 54	4.42	30	0	8	13	7	11	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	58.2	− 0.7	83	7†	21	26	50	3.08	+0.12	1.45	18	0	4	10	11	10	sw.	Rolla Brown
Bolivar	Polk	1,071	39	58.8	+ 0.2	83	2	23	26	47	3.23	−0.02	1.31	30	0	6	16	5	10	sw.	Southwest Baptist College
Boonville	Cooper	650	4	55.6	.....	84	7	22	26	65	1.72	−1.50	1.00	4	0	8	17	6	8	se.	Boonville Water Dept.
Carthage	Jasper	962	8	59.2	.....	86	1	23	26	18	4.77	.....	2.27	18-19	0	5	13	2	16	nw.	Carthage W. and E. Plant
Clinton	Henry	786	49	58.4	− 0.5	85	9	23	26	55	2.63	−0.82	1.03	3	0	9	16	9	6	ne.	U. S. Weather Bureau
Eldon	Miller	934	47	57.4[a]	0.0	85	2	23	27	43	2 08	−1.62	1.09	30-31	0	7	18[a]	7[a]	6[a]	w.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	59.7	.....	83	2†	22	26	1	2.81	.....	1.97	30	0	8	18	5	8	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	57.0	+ 0.9	83	2†	18	26	67	2.73	−0.24	1.30	4	0	8	15	5	11	se.	John H. Patterson
Jefferson City	Cole	557	52	57.4	+ 0.6	85	2	23	26	60	2.30	−1.07	1.16	30	0	8	18	1	12	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	61.4	+ 1.2	82	9†	28	26	37	4.23	+0.78	1.35	30	0	6	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	58.4	− 1.4	85	2†	25	26	11	2.70	−0.11	1.31	30	0	8	18	1	12	ne.	W. S. Frame
Lamar	Barton	980	54	56.8	− 2.1	86	9	18	26†	61	2.82	−0.79	1.25	30	0	4	17	3	11	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	56.4	− 1.3	82	2†	19	26	55	4 02	+0.25	2.52	30	0	7	18	3	10	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	58.3	+ 0.8	85	2	24	26	58	2.99	−0.04	1.97	3-4	0	7	19	9	3	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	60.6	+ 1.9	84	2†	23	26	46	3 25	−0.65	1.20	30	0	6	19	6	6	sw.	Hubert A. Nieman
Marshall	Saline	779	55	59.0	+ 2 4	89	2	22	26	52	1 64	−1.49	1.39	3	0	3	18	9	4	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	59.2	+ 1.6	82	2†	21	26	45	5.39	+1.93	3.50	29-30	0	8	14	9	8	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	59.0	+ 0 4	89	6	20	26	42	5.67	+2.29	3.20	30	0	8	13	5	13	sw.	G. H. Boswell
Neosho	Newton	1,011	55	59.6	+ 0.4	86	9†	21	26	59	4.74	+1.05	3.00	30	0	7	15	5	11	s.	U. S. Fisheries Station
Nevada	Vernon	862	49	59.6	+ 2.0	85	9	20	26	50	1.88	−1.19	0.75	30	0	5	13	7	11	sw.	Henry Kraft
Ozark Beach	Taney	700	2	59.4	.....	86	2	25	26†	17	7.64	+3.77	4.35	30-31	0	6	15	4	12	se.	V. Smith
Sedalia	Pettis	910	29	58.8	+ 1.1	82	7†	20	26	31	2.66	−0.02	1.76	3	0	7	17	5	9	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	58.3[b]	− 0.7	78	2	22	26	39	8 20	+4.74	5.99	29-30	0	9	12[d]	5[d]	10[d]	w.	Floyd E. Fawver
Seymour(near)	Webster	1,642	36	56.7	− 0.7	80	2	17	26	36	5.24	+1.76	3.87	30	0	7	17	7	7	nw.	A. L. Bailey
Springfield	Greene	1,301	54	57.6	0.0	82	2	21	26	54	3.68	+0.63	2.43	29-30	T.	8	13	7	11	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	57.4[a]	....	84	7†	19	26	1	2 06	.....	1.42	3	0	8	16[a]	10[a]	4[a]	w.	H. F. Nelson
Warrensburg	Johnson	878	55	57.9	− 0.1	85	11	20	26	62	3.94	+0.92	2.98	3	0	6	16	5	10	e.	E. A. Markey
Warsaw	Benton	687	41	58.6	− 0.4	84	7†	21	26	47	2.37	−1.43	1.09	30	0	8	15	11	5	w.	Everett Martin
Wasola	Ozark	1,294	1	60.4	.....	84	2	24	26	2	3.95	.....	2.59	29-30	0	8	19	7	5	sw:	A. W. Pinckney
Division means and extremes		.....	..	**58.4**	**+ 0.2**	**89**	**2†**	**17**	**26**	..	**3.71**	**+0.56**	**5.99**	**29-30**	**0**	**7**	**16**	**6**	**9**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	5	58.1	.....	86	9	23	26	5	2.43	.....	1.93	29-30	0	5	12	9	10	n.	U. S. Weather Bureau
Arcadia	Iron	926	61	56.4	+ 0.4	87	9	18	26	64	5.46	+2.01	4.43	30	0	6	19	5	7	s	Arcadia College
Birch Tree(near)	Shannon	1,000	47	58.4	0.0	84	3†	15	26	48	4.45	+1.17	3.39	30	0	8	19	5	7	n.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	60.4	... ..	82	1†	25	26	11	2.58	+0.09	2.17	30-31	0	7	21	7	3	nw.	Paul B. Hutchens
Campbell	Dunklin	314	16	62.9	+ 2.8	86	3	24	26	16	2.22	−0.88	1.90	30	0	8	18	9	4	n.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	60.4	− 1.8	84	2†	29	27	50	3.11	−0.25	2.25	31	0	6	14	8	9	n.	Victor T. Malloure
Crystal City	Jefferson	420	8	56.4	.....	85	11	16	26	8	3.32	.....	2.84	30	0	5	13	3	15	w.	Frank Magre
Doniphan	Ripley	344	38	59.4	+ 0.9	87	3	21	26	38	3.08	+0.02	1.90	30	0	5	23	3	5	sw.	Boyce Lackey
Farmington	St. Francois	896	31	58.8	+ 2.0	85	7†	20	26	45	5.53	+2.09	4.97	30	0	6	14	3	14	s.	F. M. Karsch
Goodland	Iron	1,000	49	56.5	+ 0.6	84	2	15	26	49	4.60	+1.01	3.60	30	0	5	19	7	5	n.	F. M. Adams
Greenville	Wayne	381	33	59.6	+ 2.0	90	9	19	26	35	3.43	+0.15	3.00	30	0	5	13	8	10	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	59.0	+ 1.1	85	9	24	26	52	3.63	+0.11	3.02	30	0	7	11	8	12	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	61.2	+ 5.0	89	3	24	26	28	2.47	−0.64	2.00	30	0	5	19	8	4	ne.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	61.4	+ 1.8	82	2†	26	26	42	3.74	+0.52	2.99	30	0	5	16	3	12	sw.	R. M. Hitt

Continued on next page

Climatological Data for October 1942 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days					Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	57.2	.... ..	84	2	16	26	5	6.61	.....	5 45	29–30	0	8	17	7	7	sw.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	56.4	− 1.8	89	9	15	26	49	4.68	+1.26	2 80	30	0	5	15	11	5	sw	R. A. DeWitt
Poplar Bluff	Butler	339	37	60 8	+ 0.7	87	8	25	26	38	3.22	−0.44	1 22	30	0	4	19	8	4	e	B. R. Wheetley
Rolla	Phelps	1,202	42	57.1	+ 0.6	80	24	20	26	58	4.08	+0.62	....	.....	0	7	12	10	9	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	60.0	+ 1 2	84	1	27	26	105	2.80	−0.42	2 02	29–30	0	6	14	8	9	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	58.2	+ 0.9	84	2	22	6	11	3.19	−0.23	2 73	29–30	0	7	13	9	9	w.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	59.7	+ 1.1	84	1‖	26	26	30	2.45	−0.71	2.11	29–30	0	6	13	8	10	nw.	St. Louis University
Salem	Dent	1,173	38	58.2	+ 0.6	81	7	20	26	41	3.72	+0.10	2.87	30	0	6	19	5	7	s.	E. E. Martin
Sikeston	Scott	318	35	60 4	+ 1.1	88	24	23	26‖	45	2.39	−0.88	2.00	30–31	0	7	14	12	5	s.	Mrs. Hazelle P. Young
Union	Franklin	520	4	57.6	.....	87	7‖	20	26	25	3.74	+0.26	3.28	30	0	6	17	5	9	ne.	Robert Mueller
Wappapello Dam	Butler	475	3	60.6	.....	85	9	27	26‖	3	2.39	.....	1.20	30	0	7	16	10	5	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	....	.....	..	..	..	..	2	....	.....	....	.....	....	..	..	..	..	.....	.....
West Plains	Howell	1,005	5	57.2	.....	83	2	19	26	5	5.36	.....	3.71	29–30	0	7	14	6	11	s	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	57.6	.....	84	9	17	26	35	3.55	+0.23	2.00	30	0	6	17	2	12	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	61.6	+ 1.2	83	2	31	26	71	F.96	−0.80	1 40	29–30	0	9	12	10	9	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**59.0**	**+ 1.0**	**90**	**9**	**15**	**26**	..	**3.36**	**+0.28**	**7 00**	**30**	**0**	**6**	**16**	**7**	**8**	**s.**	
State means	**and extremes**	.....	..	**58 0**	**+ 0 3**	**90**	**2†**	**13**	**26**	..	**2 97**	**0.00**	**7 00**	**30**	**0**	**6**	**17**	**6**	**8**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 55)

Fogs.—Dense, 7th, 14th, 15th, 16th, 17th, 19th, 20th, 22d, 29th, 31st.

Frost.—Killing (where killing had not previously occurred) 25th, 26th, 27th.

Hail.—Light, 29th at Oregon, 31st at Bethany and Kidder; moderate, 31st at Albany.

Halos.—Solar, 9th, 17th, 21st, 22d, 23d, 28th.

Sleet.—31st.

Thunderstorms.—Local, 3d, 4th, 5th, 9th, 18th, 20th, 28th, 31st; more or less general, 29th, 30th.

Tornadoes.—29th, 30th (see special tornado notes.)

Windstorms.—High winds on 29th at Oregon, Seligman, Birch Tree, and Willow Springs, and on 30th at Farmington and Morehouse but no damage reported, except at Willow Springs where trees were blown down and electric and telephone service was disrupted.

TORNADOES

A small local tornado of destructive force struck four miles west of Conception Junction, Nodaway County, at 6:50 p. m. on October 29th, resulting in injury to eight persons and property damage estimated at $15,000. Crop losses were slight. The storm moved from the southwest to the northeast over a path forty rods wide and two miles long. Several farm homes and outbuildings were demolished or damaged and several head of livestock and chickens were killed.

On the 29th and 30th two small tornadoes occurred locally near Willow Springs. The first struck five miles south of the town at 11:30 p. m. of the 29th and the second struck about five miles north of the town at 3:00 a. m. of the 30th. Both traveled in a southwest to northeast direction over a path four to five miles wide. Two persons were injured and property loss was estimated at $7,000 and crop losses were very small. The Cooperative Observer at Willow Springs reported these storms as tornado winds.

ERRATA

August 1942, page 45: Greatest precipitation in twenty-four hours at West Plains should be 1.74 on the 14–15th.

September 1942, page 50: Temperature departure at Elsberry should be − 2.3; page 54: maximum temperature on 26th at Rolla should be 59.

Daily Precipitation for October 1942

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand			1.08	.07																									2.18	.05	3.38
Amity[2]	do			.28	.80	.01											T.		T.	.16			.01			T.			T.		.94	.05	2.25
Bethany	do			.90	T.																			.03						1.86	T.	2.79
Bowling Green[2]	Mississippi				.58																									1.13		1.71
Brookfield	Grand			1.50	T.	T.													T.	.29			.02			T.				T.	T.	T.	1.81
Brunswick[2]	do			.10	1.31															.13			.06			.02					.04		1.66
Canton, Lock No. 20[2]	Mississippi				.62	.01											T.						.01			.01		T.		T.	.08		0.73
Centralia[2]	do				.85	.02														.05			.01							.15	.35		1.43
Chillicothe[2]	Grand			.36	1.30															.23			T.								.09	.07	2.05
Clifton Hill	Chariton			1.30															.05				.04								.15		1.54
Columbia [1]	Missouri			.79	.06	T.													.02	T.			.04		.01	.04			.02	.10	.35	T.	1.43
Conception	do			.92	.11												T.						T.							T.	1.27		2.30
Edgerton	do			1.62													.02		.25	.14			.07							T.	.69	T.	2.79
Edina[2]	Mississippi				.98															T.				.06								.02		1.06
Elsberry	do			.12		.19														.06			T.							.09	1.60		2.06
Farber[2]	do			T.		.60																								.16	.63	.01	1.40
Fayette	Missouri			1.18															.03	.08			T.			T.					.37		1.66
Fulton	do			.83		.09													.06	.10			.05			.07				.10	1.04		2.34
Gallatin[2]	Grand			.05	1.20	T.														.12			.04								.23	T.	1.64
Grant City	do			.68	.02																			T.							1.32		2.02
Hannibal[3]	Mississippi			.67	.02												T.		.07			T.	T.			T.			.08	.02	.30		1.16
Hermann[2]	Missouri				.17	.19														.06	.02		.04			.02		.08			1.30	.11	1.99
Kahoka[2]	Mississippi				.57	.03																	T.					T.			.02		0.62
Kansas City Airport [1]	Missouri			1.84	T.											.02	T.	T.	.49	T			.06			T.				T.	.27	T.	2.68
Kansas City University	do			1.97	.01												.01	T.	.50	.07	.02												2.79
Kidder[2]	Grand				1.54	.03														.31											.20	.50	2.58
King City	Missouri			.97		.04													.02												1.34	T.	2.37
Kirksville	Mississippi			1.22		.01																									.01	.01	1.25
LaBelle[2]	do				.72																				.02						.02		0.76
Lawson	Missouri			2.10													T.		.42	.10			.08								.20	T.	2.90
Linneus[2]	Grand				1.83															.16			.02			.03					.18	.04	2.26
Louisiana[2]	Mississippi				.47																					.05				.20	.70	.10	1.52
Lucerne[2]	Grand				1.07	.06																									.79	.35	2.27
Macon[2]	Chariton				1.16	.03														.02			T			.02					.03	T	1.26
Madison[2]	Mississippi			.01	1.03															.03	.07		.01							.01	.38		1.54
Maryville	Missouri			.98	.14												T						T.			T.				*	1.21		2.33
Memphis[2]	Mississippi				1.80	T.																											1.80
Mexico[2]	do				.72	.04														.05	.25		.05			.03				.15	.49		1.78
Milan[2]	Grand				1.78	.03																									.15	.06	2.02
Moberly	Mississippi																																
Monroe City	do			.98	.05																		T.							.06	.21		1.30
New Florence[4]	Missouri			.39	.01	.13													.05	.22			.01		.01	.01			.06	.80	.64		2.33
Oregon	do			.93	T.														T.											T	2.20		3.13
Palmyra[2]	Mississippi				.63															.11			.03							.04	.17	T.	0.98
Paris[2]	do				.90	.02														.11	T		T.			T.					.28	T.	1.31
Perry	do			.64	.11															.06			.02							.16	.31		1.30
Philadelphia[2]	do				1.03																										.02		1.05
St. Charles[2]	Missouri				.04	.20															.20		.03		T.					.03	2.98	.12	3.60
St. Joseph[1]	do			.88	.01												.01		.10				.03		T.						.71		1.74
Saverton, Lock No. 22[2]	Mississippi				.59															.03		T.	.01	T.		T.				.32	.42	T.	1.37
Shelbina	do			.93	.06	.01													.01	.04			T.			.02				T.	.14		1.21
Shelbyville[2]	do				.92																												0.92
Steffenville	do			.69	.18												T		T.	.03			.01			T				.04	.06		1.01
Tarkio	Missouri			1.87																										.12	.79		2.78
Trenton	Grand			.04	1.12														*	.16			T.							.04	.52	.02	1.90
Troy[2]	Mississippi				.10	.18														.05	.04		T.			T.	T.			.08	1.35	.04	1.84
Unionville[2]	Chariton				1.16	.02																		.01						T.	.45	.16	1.80
Warrenton	Mississippi			.14	.09	.16											.01		.03	.15						.05				.05	1.45		2.13
Keokuk, Iowa[3]	do			.53	.03	T.				T.							T.					T.	.01			T.		T.	T.	.05	.04	T.	0.69
Southwestern Division																																	
Altona[2]	Osage			*	1.67														T		1.50		T								.45	T	3.62
Anderson (near)	Neosho		T.	1.10												T.	.03	.03	.89	.93	.02					T.				T.	4.42	.01	7.43
Appleton City	Osage			.95															1.45												0.65	.03	3.08
Bolivar	do			.65														.02	1.06	.18			.01			T.			T.	T.	1.31		3.23
Boonville[2]	(A) Missouri			.01	1.00	.05														.20	.02		.04			.05					.35		1.72
Buffalo[2]	Osage				.53														.58	.62			.01	.01							1.64		3.39
Butler[2]	do			.34	1.86	.10													.10	1.54						.03					.32		4.29
Caplinger Mills[2]	do			.56	.17														.05	.85				T.	T						1.32		2.95
Carthage	Neosho			.60														.12	.95	1.32											1.78		4.77
Clinton[4]	Osage			1.03	.07													.01	.84			T.	.05		T.	.03				.20	.39	.01	2.63
Concordia	Missouri			1.61	.12	.04													.07	.44	.01		.04			.02					.06	T.	2 41
Crocker	Osage			.19	.37	.05												.13	.20				.15								2.24		3.33
Eldon[2]	Missouri				.36														.42			.02	.15							.07	1.07	.02	2.08
Eldorado Springs	Osage			1.10		.16												.03	.68											T.	.88	T.	2.85
Fort Leonard Wood	Gasconade			.08	.19	.12													.25	.10			.08			.02				T.	1.97		2.81
Galena[2]	White				.76													.04	.52	.45	.15										3.79		5.71
Hailey	do				.71	.02												.19	.21	.38										.19	5.08		6.78
Harrisonville[2]	Osage			.30	1.30	.06													.03	.75			.04			.02					.23		2.73
Jefferson City[2]	Missouri				.44	.26													T	.20			.09			*	.12			.03	1.16	T.	2.30
Joplin[3]	Neosho		T.	.48											T.	.01		.59	1.20											.60	1.35		4.23
Lakeside[2]	Osage			.02	.69	.08													.16	.34	T.		.09	T.		.01				T.	1.31		2.70
Lamar[2]	Neosho				.92														.50	.15											1.25		2.82
Lebanon[2]	Osage				.30	.02											T.		.37	.49			.01	.31							2.52		4.02
Lexington[2]	Missouri			.67	1.30														.05	.67			.07								.15	.08	2.99
Lockwood	Osage			.40													T.	.16	1.14	.33						T.				.02	1.20		3.25
Manes[2]	Gasconade																																
Marshall	Missouri			1.39																.10											.15		1.64
Mountain Grove	White			.32	1.25														T		.20	T.		.05		.03				.02	3.48	.04	5.39
Mount Vernon	Neosho			.35															.37	1.38	.30			.01		.04	.02				3.20		5 67
Neosho	do			.23													.11		.30	.95	.03					.12				T	3.00		4.74
Nevada	Osage			.64		.24													.01	.24							T.			T.	.75	T.	1.88
Osceola[2]	do				.47	.08														.37			.03					.01			1.07		2.03
Ozark Beach[2]	White				1.91														.30	.36	.72										4.32	.03	7 64
Pleasant Hill[2]	Osage			.43	1.30	.08											T		.12	1.33			.15			.05					.20	.14	3.80
Roby	Gasconade			.53	.12												.09		.63	.27			.10							T.	4.41		6.15
St. Thomas (near)[2]	Osage				.90	.08													.09	.24											1.94		3.25
Sedalia	Missouri			1.76		.08													.15	.08			.12			.04					.43		2.66
Seligman	Neosho			.33	.33														.45	.33	.21									1.06	4.93		8.20
Seymour (near)	White			.34	.56														.04	.06	.34		.03								3.87		5.24
Springfield [1]	do			.59												T.			.07	.53	T.		.04		T.	.01			.01	1.31	1.12		3.68

Continued on next page

Daily Precipitation for October 1942 Continued from preceding page

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																
Stover[2]	Missouri	.05	.01	1.00	.05	.20													.22	.05			.15							1.00			2.73
Sweet Springs	do			1.42		.02												T.	.19	.26	T		.01			.03					*	.10	2.06
Warrensburg	do			2.98														T.	.25	.28			.10			.15				T.		.18	3.94
Warsaw (A)	Osage			.53		.04												T.	.39	.20			.07				01			T	1.69	.01	2.37
Wasola	White			*	.99													.14		.15			.01							.01	.04	2.55	3.95
Waverly[2]	Missouri			T.	1.38															.45						.02					.03		1.88
Southeastern Division																																
Advance[4]	St. Francis		T.	T.																.04	.08		.26			T.			T.	.61	1.41		2.43
Alton (near)	Black																			.34											2.24		2.58
Annapolis	St. Francis				.47															.15			.05							.15	2.29	.01	3.12
Arcadia[2]	do				.30															.13			T	.12			.03				1.43	.45	5.46
Belleview	Meramec				.40																										5.22		5.62
Birch Tree(near)	Black				.37															.20	.15	.11	.16			.03				.01	3.39		4.15
Bragg City	St. Francis		T.		.13													T.		.13			*	.10			T			.05	2.03	.14	2.58
Campbell	do				.03	T														.08	.03		.09			T.	.03			.03	1.90	.03	2.22
Cape Girardeau[2]	Mississippi					.04	T.													T.	T.	.33	.03	.41						T.	.86	1.20	2.88
Caruthersville[2]	do				.35	.15														.10	T.			.16			T			T.	.10	2.25	3.11
Centerville[2]	Black				.31															.20			.04	.01			.02				7.00	.20	7.78
Crystal City	Mississippi			*	.15	.17																	.16								2.84		3.32
Deering[2]	St. Francis		T.	.08	T															.12	T.		.09				.03		T.	.10	1.98		2.40
Dexter[2]	do				.04															.11		.10	.04	.10			.05				.57	1.83	2.84
Doniphan	Black																			.26	.32		.05							.55	1.90		3.08
Farmington	St. Francis	.03			.22	.05													T.	.04			.22			T.				T.	4.97		5.53
Fisk[2]	do																				.09						.06			T.	.71	.98	1.84
Fredericktown[2]	do		.04		.15																			.08							1.68	.60	2.55
Gerald[2]	Meramec						.30																								3.20	.08	3.58
Goodland	Black				.58															.14			.12								3.60	.16	4.60
Greenville	St. Francis				.03															.11			.27							.02	3.00		3.43
Jackson	Mississippi				.03	.09														.02	.02		.31								3.02	.14	3.63
Jefferson Barracks	do				.05	.13														T.			.07								2.00	.22	2.47
Jerome[2]	Gasconade				.73	.13																	.04								1.85	.05	2.80
Koshkonong	Black				.02															.30	.29									.14	2.99		3.74
Leeper[2]	do				.08															.10				.20						.02	2.40	.40	3.20
Licking (near)	Gasconade			.13	.31	T											T.		.44	.18			.09			.01				.05	5.40		6.61
Marble Hill	Mississippi		.80			.21														.80										.07	2.80		4.68
Meramec Park[2]	Meramec				.05	.05														.25	.25		.05	.05			.05				2.90	.50	4.15
Morehouse	Mississippi																			.20	.27		.16			T.				.13	2.05	.02	2.83
New Madrid[2]	do				.16	.07														.05	.02			.22			T.			.05	.19	1.51	2.27
Owensville[2]	Gasconade											.06								T.			.05								2.64	.05	2.80
Pacific[2]	Meramec					.16														T.	T.									T.	3.05		3.21
Parma[2]	St. Francis																					.04		.11			T.				.48	1.46	2.09
Perryville[2]	Mississippi					*	.15											T		T.			*	.25		*	.15			T.	.40	1.24	2.19
Poplar Bluff[2] (A)	Black																			.14		1.06					T.			T	1.22	.80	3.22
Richwoods[2]	Meramec						.35																.06	.05							2.40	.19	‖3.05
Rolla[4]	do			.26		.10												.23	.01				.18			T.			T.	2.11	1.19		4.08
St. Louis:																																
City Office[1‡]	Mississippi			.09	T.	.13													T.	.01			.04		T.	T.			T.	.56	1.47		2.30
Airport[4‡]	Missouri			.08	.01	.15													T.	.21		T.	.01		T.	T.			T.	.70	2.03		3.19
St. Louis Univ.[3‡]	Mississippi			.11		.16													T.	.06			.01			T.				.20	1.91		2.45
Washington Univ.[2‡]	do				.13	.25														.02	.06		.04								1.96	.19	2.65
Salem	Meramec			.11	.43														.17				.12			.02					2.87		3.72
Sikeston[2]	Mississippi				T.		T.													.03		.10	.02	.20						.04	.18	1.82	2.39
Union	Meramec			.04	.18	.12													.02				.10			T.				T.	3.28		3.74
Valley Park[2]	do					.35														T.	.04		T.	.16							1.94	.17	2.66
Van Buren	Black				.07															.16			.12							2.53	.26		3.14
Wappapello Dam[2]	St. Francis				T															.21	T.	.27	.03	.09			T.			.02	1.20	.57	2.39
Weingarten[2]	Mississippi																															
West Plains[4]	Black			.56	T.													T.	.37	.03	.63		.03			T.			T.	1.37	2.37		5.76
Williamsville[2]	do				.01															.21	.01	.06	.01	.15						.03	2.20	.54	3.22
Willow Sprgs.(near)	White			*	1.04													T.		.31			.15			.05				T.	2.60		3.55
Zalma(near)	Mississippi		T																	.09	.04		.29			T				.05	2.13	.05	2.65
Cairo, Ill [1‡]	do		T.		.12	.05														.01	.03	T.	.28			.01		T.		.24	1.21	.01	1.96

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for October 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.165	.138	.092	.059	.144	.148	.137	.143	.116	.120	.156	.096	.106	.119	.091	.101	.093	.060	.011	.039	.123	.193	.090	.123	.033	.156	.031	.073	.154	.063	.115	3.288
	Mean temperature	63	65	68	68	64	60	64	64	66	62	60	62	62	62	61	61	60	54	62	64	56	52	48	48	44	38	52	52	56	64	50	58.4
	Wind movement	44	30	39	44	49	42	47	17	26	13	22	17	15	17	11	26	28	19	20	18	44	119	42	98	21	84	47	21	92	81	87	1,280
St. Louis (Washington University)	Evaporation	.141	.135	.128	.068	.143	.089	.100	.101	.127	.135	.097	.097	.085	.056	.072	.084	.081	.086	.061	.017	.054	.161	.080	.083	.053	.056	.086	.061	.168	.042	.086	2.833
	Mean temperature	68	72	71	67	60	62	68	68	68	58	62	62	62	64	64	60	60	62	59	63	56	54	44	48	47	34	42	52	56	63	48	58.8
	Wind movement	20	10	25	37	31	33	16	10	15	26	16	34	14	11	24	33	28	19	12	14	19	54	42	29	21	32	39	25	87	65	45	886

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for October 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	82	80	73	75	71	77	83	83	81	76	76	80	79	78	75	66	76	61	67	74	59	54	52	61	46	47	57	66	69	64	55	69.1
	Minimum	48	49	57	52	52	46	46	51	51	46	45	45	49	46	46	51	48	47	55	45	44	45	33	31	31	22	22	34	42	58	37	44.3
Chillicothe §§	Maximum	84	85	74	76	72	81	86	86	78	75	77	80	78	77	74	69	75	62	63	73	59	50	53	61	43	48	56	63	69	61	67	69.5
	Minimum	51	52	57	52	50	46	50	54	52	43	42	43	48	44	44	52	44	44	52	48	41	44	28	26	29	20	20	33	44	58	32	43.3
Columbia	Maximum	81	83	70	77	70	76	83	83	82	73	74	78	77	76	74	67	73	65	64	73	60	53	56	56	56	47	47	59	68	69	65	68.8
	Minimum	52	59	60	54	49	44	52	55	51	48	46	52	53	47	54	51	47	54	51	46	47	34	34	37	26	24	37	44	59	42	37	46.6
Fayette	Maximum	80	80	70	76	73	77	82	81	81	75	75	78	77	75	74	71	71	65	67	72	64	53	53	56	48	47	57	67	68	68	69	69.4
	Minimum	45	52	60	51	50	44	50	50	48	44	42	45	46	46	50	51	45	52	53	42	43	42	30	31	34	19	33	35	50	50	33	44 1
Grant City	Maximum	83	87	71	77	72	80	83	84	76	75	76	77	77	75	71	79	73	68	72	73	56	52	50	58	50	48	54	60	73	65	56	69.4
	Minimum	47	48	60	47	49	44	46	54	51	44	48	45	48	43	50	48	42	51	35	36	35	33	30	23	25	13	33	38	54	38	28	41.5
Hannibal	Maximum	82	83	68	74	69	77	84	83	72	70	73	75	74	71	69	65	72	69	70	73	60	53	56	59	48	43	53	68	68	67	54	67.8
	Minimum	53	59	60	53	50	47	50	54	54	43	45	46	48	50	52	52	47	52	52	43	44	33	31	31	27	20	34	33	47	43	36	44.8
Kansas City Airport	Maximum	82	85	77	77	70	79	83	83	85	75	77	80	75	75	73	66	66	60	63	70	59	58	50	56	50	52	63	65	72	66	55	69.3
	Minimum	55	59	60	55	52	50	53	59	53	53	54	49	51	50	54	54	48	53	50	46	46	43	38	40	31	27	36	50	60	43	39	48.7
Kirksville	Maximum	83	84	75	76	71	79	83	85	76	74	77	78	75	75	72	66	75	68	74	75	60	54	53	61	50	46	54	62	68	65	57	6.94
	Minimum	50	53	59	52	49	45	50	55	54	40	42	43	44	46	49	53	46	50	47	46	41	40	29	27	30	17	33	32	52	44	32	43.5
Lawson	Maximum	82	86	76	77	71	79	83	83	80	78	77	72	78	77	76	68	70	62	67	70	59	58	47	57	49	48	59	61	68	67	47	68.8
	Minimum	50	52	61	50	47	45	53	54	52	45	46	45	47	45	47	52	45	52	52	46	41	38	33	32	30	19	31	31	58	34	33	44.1
Louisiana §§	Maximum	82	85	70	75	68	76	83	82	77	71	72	..	..	..	..	..	..	75	71	68	73	60	54	55	58	49	45	53	69	68	68	59	°67.9
	Minimum	46	50	58	56	53	41	41	46	51	37	37	37	..	..	..	..	..	37	54	45	50	49	27	30	27	23	24	35	33	50	41	°41.5
Macon §§	Maximum	81	80	72	72	72	77	83	82	72	74	75	78	72	75	74	69	75	65	73	74	58	50	55	58	44	46	55	65	68	63	55	68.1
	Minimum	53	52	57	52	50	48	48	51	56	42	41	43	43	45	45	49	45	46	52	45	43	42	33	29	34	18	19	33	34	59	33	43.2
Maryville	Maximum	81	85	76	74	68	76	81	82	74	72	74	74	74	73	70	66	70	69	69	72	65	52	48	57	50	45	51	58	73	65	54	67.7
	Minimum	47	52	59	48	48	45	51	54	54	49	52	48	49	48	49	53	46	53	40	42	38	40	33	26	25	15	32	40	54	42	31	44.0
Mexico §§	Maximum	85	86	70	79	71	80	88	85	82	73	75	78	77	75	75	65	73	65	63	75	60	55	56	60	46	48	56	69	69	65	57	69.7
	Minimum	49	51	58	53	49	48	50	53	50	40	40	43	43	45	46	49	45	47	54	47	45	45	31	34	36	21	23	35	45	60	38	44.3
Moberly	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	85	89	79	76	71	82	85	86	76	78	78	79	76	76	72	68	70	67	71	76	64	58	51	62	51	52	55	61	77	69	57	70.9
	Minimum	52	52	59	49	48	46	52	56	52	48	53	48	49	47	48	54	45	53	41	44	41	42	35	28	26	18	31	42	55	42	33	44.8
St. Charles §§	Maximum	86	86	80	80	71	79	86	86	86	73	79	78	76	74	74	66	75	71	60	73	63	55	60	51	54	49	55	71	67	68	54	70.5
	Minimum	53	57	62	58	54	46	49	51	52	45	44	45	47	50	53	51	46	49	56	53	50	49	31	39	22	22	26	34	41	61	41	46.4
St. Joseph	Maximum	84	89	70	76	70	80	84	84	78	77	78	78	77	77	73	64	71	60	70	73	58	58	50	58	47	51	57	62	73	55	56	69.0
	Minimum	54	57	56	52	50	49	54	62	53	51	54	49	51	48	51	51	45	51	46	46	44	43	35	33	27	23	34	46	55	42	36	46.7
Trenton	Maximum	83	85	77	77	72	79	84	85	81	74	76	77	77	75	73	71	74	70	73	74	68	60	54	60	55	48	55	62	68	61	56	70.5
	Minimum	47	53	61	52	50	47	48	54	53	46	43	43	47	46	49	51	45	51	47	40	42	44	33	23	30	20	32	37	55	45	33	44.1
Unionville §§	Maximum	88	88	74	80	73	81	85	85	87	85	78	80	78	80	78	76	78	71	77	75	68	55	60	65	43	48	54	68	75	65	58	72.8
	Minimum	49	52	53	52	50	45	47	53	54	43	42	44	47	46	46	48	46	47	43	42	41	40	30	25	26	15	17	33	35	53	33	41.8
Warrenton	Maximum	81	83	78	75	69	74	81	82	82	75	75	75	73	74	73	67	72	68	60	74	66	56	56	56	50	45	54	69	66	67	57	68.8
	Minimum	48	55	60	55	51	46	53	54	54	43	45	48	47	49	49	48	47	56	54	50	47	45	29	34	38	22	35	36	50	56	38	46.5
Keokuk, Iowa	Maximum	81	81	70	73	68	77	81	84	72	70	72	72	73	71	63	64	72	70	71	74	60	49	51	58	47	43	48	62	70	67	54	66.7
	Minimum	56	60	61	58	51	49	52	60	53	48	49	49	49	53	55	54	48	53	45	47	46	37	33	33	25	20	31	35	51	46	37	46.6
Southwestern Division																																	
Clinton	Maximum	83	81	72	81	73	78	84	82	85	76	76	83	80	79	77	72	66	58	65	72	61	54	58	56	47	53	70	67	74	63	58	70.5
	Minimum	48	55	57	52	49	45	48	51	50	51	46	47	49	49	51	54	51	52	51	54	48	36	34	39	26	23	39	46	57	42	35	46.3
Eldon §§	Maximum	83	85	73	79	71	76	83	84	83	72	76	81	79	72	76	70	..	69	67	73	62	54	54	54	47	50	68	69	72	69	56	a70.2
	Minimum	48	48	56	54	52	47	46	51	51	50	42	42	44	46	45	50	48	..	47	54	49	45	31	37	37	24	23	30	39	58	38	a44.5
Harrisonville §§	Maximum	82	83	75	81	73	78	82	82	83	75	75	80	77	76	74	70	63	57	60	70	61	52	57	55	44	52	60	65	71	64	58	68.9
	Minimum	45	47	54	50	48	45	47	50	51	50	50	48	50	50	50	52	49	53	52	48	42	47	32	35	37	18	24	37	55	52	33	45.2
Jefferson City §§	Maximum	82	85	74	78	70	76	83	82	82	75	75	79	78	77	77	71	72	60	64	72	62	59	54	55	46	49	61	70	70	70	55	69.8
	Minimum	51	53	57	55	51	47	46	53	53	48	44	46	46	46	47	50	45	45	48	51	49	48	34	35	39	23	24	34	39	47	38	44.9
Joplin	Maximum	76	81	76	79	70	74	80	78	82	79	79	82	82	80	79	77	62	65	64	66	60	62	54	55	52	54	68	64	76	66	56	70.3
	Minimum	56	61	65	60	53	49	52	56	56	57	52	53	58	57	58	57	58	58	59	56	50	43	42	46	35	28	46	53	59	50	44	52.4
Lamar §§	Maximum	80	84	75	83	74	79	82	81	86	83	79	82	83	83	81	79	62	64	65	72	65	56	62	58	51	57	72	68	75	69	60	72.6
	Minimum	44	44	51	49	45	39	39	45	46	46	40	38	38	44	44	46	48	50	51	46	42	39	31	32	37	18	18	39	40	53	31	41.1
Lebanon §§	Maximum	74	82	78	79	68	82	79	81	80	74	77	80	78	77	80	76	67	63	70	72	61	55	59	56	47	51	70	65	68	66	60	70.2
	Minimum	48	50	53	50	49	41	42	48	48	47	38	39	44	43	43	46	49	49	52	49	45	44	31	32	38	19	20	32	41	55	31	42.5
Lexington §§	Maximum	82	85	75	78	74	80	84	83	84	78	78	82	80	80	77	66	70	59	69	71	60	51	53	58	46	52	62	65	71	61	65	70.3
	Minimum	52	52	56	53	51	48	48	56	55	48	49	48	49	48	50	51	48	49	54	48	45	45	37	36	34	24	25	33	49	59	36	46.3
Marshall	Maximum	85	89	80	74	76	75	83	82	81	78	73	78	77	75	74	71	70	69	66	71	68	56	53	56	54	53	57	67	71	72	58	70.7
	Minimum	51	57	62	62	52	47	53	53	52	45	45	47	48	46	49	54	45	45	45	45	36	37	35	22	33	49	56	53	35	47.4
Mountain Grove	Maximum	79	82	76	79	76	75	80	80	82	78	78	81	79	79	79	78	73	68	68	71	64	55	59	65	55	51	70	65	64	65	62	71.5
	Minimum	50	51	62	54	52	44	49	52	52	48	43	49	47	45	51	55	53	54	49	49	48	45	33	40	41	21	35	40	53	54	36	46.9
Neosho	Maximum	79	83	80	81	79	80	82	81	86	86	78	82	82	81	81	76	75	64	66	68	66	58	56	57	51	54	71	67	75	69	62	72 9
	Minimum	45	53	66	50	48	40	42	47	46	45	41	39	46	48	47	49	57	53	58	55	48	45	33	44	43	21	35	44	57	58	34	46.4
Nevada	Maximum	81	83	76	81	72	78	83	80	85	80	80	83	82	82	81	78	65	60	62	70	67	57	58	55	53	55	70	67	75	72	59	71.9
	Minimum	46	55	65	49	50	42	46	50	49	52	45	45	51	48	49	55	52	55	55	52	46	46	33	38	39	20	40	44	55	55	35	47.2
Sedalia	Maximum	81	79	77	78	77	77	82	82	82	80	75	81	78	77	76	72	67	66	66	72	68	56	55	51	54	50	66	69	74	72	59	71.0
	Minimum	50	56	64	53	50	45	51	53	52	49	44	50	51	45	51	54	44	54	52	45	42	46	34	37	34	20	34	44	56	54	34	46.7
Springfield	Maximum	78	82	76	79	68	74	78	78	81	76	75	78	77	78	78	75	65	65	68	68	59	58	56	56	50	50	68	63	72	67	53	69.3
	Minimum	49	53	57	53	46	43	47	50	50	51	43	48	52	52	51	55	55	56	53	47	45	33	33	43	29	21	35	43	56	42	36	46.0
Warrensburg	Maximum	81	81	71	79	72	78	83	82	84	81	85	80	78	77	75	69	67	61	62	71	64	55	55	56	52	51	55	67	73	72	55	70.1
	Minimum	49	55	55	49	50	45	45	53	52	48	46	45	47	43	49	53	49	55	53	47	43	44	34	35	34	20	33	45	55	52	33	45.7
Southeastern Division																																	
Arcadia §§	Maximum	84	85	80	81	70	79	86	83	87	78	80	82	75	79	80	77	79	67	70	78	65	58	63	60	52	53	70	68	67	62	60	72.8
	Minimum	41	45	56	54	50	37	36	42	43	45	38	40	37	37	40	41	43	44	52	42	41	45	30	30	37	18	19	35	34	52	38	40.1
Birch Tree (near)	Maximum	80	83	84	80	74	77	81	82	84	78	80	81	78	80	80	79	71	72	70	74	66	58	59	60	57	58	70	67	67	68	60	72.8
	Minimum	39	50	59	54	52	38	38	42	45	50	44	45	42	42	54	55	52	47	51	50	47	45	30	40	37	15	23	35	52	52	36	43.9
Caruthersville §§	Maximum	80	84	84	76	76	76	81	82	81	78	80	81	75	79	80	79	81	77	71	69	70	64	60	67	68	51	67	70	71	70	61	73.8
	Minimum	47	47	45	50	55	46	46	47	51	52	49	50	52	52	52	52	53	52	52	55	54	44	39	40	43	32	29	33	39	53	47	47.0
Crystal City	Maximum	85	85	85	79	68	77	85	84	84	73	77	78	72	76	75	72	70	70	68	76	65	60	62	57	52	48	56	72	66	65	57	70.9
	Minimum	41	54	55	50	47	40	42	41	44	46	37	38	36	40	45	45	40	50	55	46	44	47	26	33	37	16	32	26	55	54	34	41.8
Doniphan	Maximum	84	85	87	83	76	80	85	85	85	81	82	82	80	82	84	79	70	76	73	69	67	61	62	64	60	55	71	72	66	72	68	75.0
	Minimum	37	57	58	62	49	38	39	40	42	45	37	41	39	41	42	53	54	46	54	55	47	41	34	45	37	21	23	30	53	58	41	43.8
Farmington	Maximum	84	84	81	79	65	77	85	84	85	71	78	76	72	76	76	74	71	66	71	76	65	56	60	61	57	50	67	68	64	66	60	71.1
	Minimum	47	59	61	59	52	42	45	50	49	48	48	47	43	44	52	52	47	54	53	47	52	46	31	40	40	20	22	40	54	59	39	46.5
Jackson	Maximum	77	82	83	82	82	76	83	83	85	81	79	78	75	76	76	75	74	71	71	69	64	61	55	58	57	51	59	68	66	69	63	71.9
	Minimum	43	46	56	64	53	40	43	46	49	51	49	49	44	49	50	50	.50	49	56	51	52	45	34	43	41	24	25	25	54	54	44	46.1
Poplar Bluff	Maximum	83	85	86	86	77	81	86	87	86	83	86	84	79	81	83	84	70	79	75	69	70	56	61	65	64	55	70	72	71	62	64	75.5
	Minimum	47	61	57	63	58	45	53	43	48	47	45	47	44	49	47	49	54	50	50	55	51	44	36	37	37	25	27	35	41	46	40	46.2
Rolla	Maximum	79	80	80	75	67	72	80	80	80	72	76	76	73	72	75	69	70	61	67	72	60	53	57	56	50	49	66	66	64	65	51	68.2
	Minimum	50	54	59	55	51	47	53	53	55	48	46	50	47	53	52	52	48	54	52	52	47	34	33	38	26	20	33	40	48	41	36	46.0
St. Louis	Maximum	81	84	80	75	68	75	82	83	82	70	75	78	77	73	72	66	71	71	63	75	62	55	56	56	51	44	54	69	66	65	52	68.8
	Minimum	59	64	64	59	55	51	56	60	60	50	52	54	54	57	54	54	51	59	57	56	53	41	38	41	33	27	37	38	58	48	44	51.1
Salem	Maximum	83	83	81	78	70	76	84	82	83	75	80	81	78	77	78	75	72	66	73	75	63	63	60	58	52	50	71	67	65	65	64	71.9
	Minimum	45	53	62	55	52	40	44	46	48	48	37	42	35	40	43	50	46	51	51	46	49	46	30	42	41	20	28	41	57	56	36	44.5
Sikeston §§	Maximum	86	88	86	86	76	81	87	87	88	77	82	82	78	82	82	80	76	77	72	69	71	54	60	65	59	54	69	71	69	68	62	75.0
	Minimum	41	48	58	60	58	42	43	47	48	53	46	52	49	47	47	50	51	48	53	54	55	46	35	35	42	23	23	31	39	54	44	45.9
Union	Maximum	85	86	83	81	73	79	87	87	87	80	80	77	75	77	79	74	76	70	68	77	68	60	52	56	56	45	54	72	67	68	64	72.4
	Minimum	41	52	55	55	52	39	43	43	40	40	37	40	38	40	46	48	41	53	54	50	48	44	26	31	43	20	26	28	57	60	37	42.8
West Plains	Maximum	79	83	83	80	71	76	81	82	82	77	78	80	76	80	79	81	66	73	72	70	62	54	68	61	52	52	70	67	69	69	57	71.9
	Minimum	38	49	57	54	44	40	41	42	46	42	42	43	41	40	43	54	50	49	48	53	49	35	32	43	35	19	25	29	54	50	30	42.5
Cairo, Ill.	Maximum	80	83	83	81	71	77	79	81	83	74	80	78	78	78	77	75	73	74	70	70	66	53	55	62	58	49	65	69	68	69	63	71.7
	Minimum	53	61	61	62	54	48	50	53	54	56	55	51	53	57	55	56	55	52	57	55	50	46	40	48	43	31	34	44	55	61	41	51.4

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. || Partially estimated.

WBO, St. Louis, 11-24-42—1100.

.05
ms
11

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI NOVEMBER 1942 No. 11

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

November was both warmer and wetter than normal this year, and the first November since 1934 that has averaged as warm, or as wet. Sunshine this month was about ten per cent deficient, for the State as a whole.

The mild temperatures were general over the whole State, every station reporting above normal warmth. The Southeastern Division had the highest temperature average with 49.8° while the Southwestern and Northern Divisions averaged 49.0° and 45.0° respectively. Warm periods were 7-9th, 12th, 15th-21st, 24-25th, with cold periods 2d-6th and the last five days of the month. The 18th and 19th were the warmest days while the 29th was the coldest day generally. There were no unusual extremes of temperature recorded anywhere.

Precipitation was unusually frequent and was irregularly distributed, occurring principally as rain, although substantial amounts of snow occurred over most of the Northern Division. The Southeastern Division received the most precipitation with an average of 5.67 inches, while the average for the Northern and Southwestern Divisions was 3.81 inches and 3.42 inches respectively, all in excess of the respective normals. A few stations in the Northern and Southwestern Divisions reported monthly totals less than normal. The only extended period without precipitation during the month was from the 11th to 16th. The ground was thoroughly soaked at the close of the month, most of the water having been absorbed, with little runoff.

Snowfall amounts ranged up to five inches in the extreme northwestern corner of the State to only a trace, or none, in the southern portions. The snow occurred principally on the 22-23d and 28-29th, heaviest amounts occurring the latter period, particularly in the northeastern counties.

The mild, wet weather was favorable for the growth of wheat and grass, but the frequency of the rains was unfavorable for seasonal farm work. Fields were generally too wet to permit gathering of corn or other field work or for grazing of fall-sown small grains. Livestock were in excellent condition and there were unusually large supplies of feed stored for winter use.—M. R. W.

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 47.9°, or 3.5° warmer than normal The highest monthly mean was 53.0° at Bragg City, and the lowest monthly mean was 41.3° at Memphis and Tarkio. The highest recorded was 82° at Lamar on the 18th and at Crystal City on the 19th, and the lowest was 6° at Conception and Maryville on the 29th.

PRECIPITATION

The average for the State, 156 stations reporting, was 4.30 inches, or 1.59 inches more than normal. The greatest local monthly amount was 8.91 inches at Rolla, and the least local monthly amount was 1.30 inches at Maryville. The greatest amount in any twenty-four hours was 6.13 inches at Rolla on the 4–5th. The average number of days with 0.01 inch or more was 11.

Snowfall averaged 0.8 inch, or 0.2 inch less than normal. The greatest monthly amount was 5.0 inches at Tarkio.

MISCELLANEOUS PHENOMENA

Earthquake.—17th; slight tremor felt at St. Louis.

Flood.—Flood stage was reached on the 26th at Fisk, on the St. Francis River.

Fogs.—Dense, 4th, 5th, 6th, 8th, 9th, 17th, 18th, 19th, 20th, 21st, 22d, 23d, 27th, 29th.

(Continued on page 63)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.02*	30.49*	3	29.40*	25	9.2	24	nw.	9	80*	62*	72*	51
Kan C. Airport	30.01	30.49	10	29.43	25	12.1	40	sw.	16	79	64	67	46
St. Joseph	30.01*	30.48*	6	29.42*	25	10.1	31	nw.	9	86*	65*	76*	44
St. Louis	30.05*	30.52*	3	29.37*	25	14.5	41	sw.	16	75	62	65	48
Springfield	30.04	30.51	10	29.42	25	13.8	38	s.	9	82	63	73	41
Cairo, Ill.	30.09§	30.52	3	29.50	25	10.0	29	sw.	9	80	60	..	49
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	41.6	87	15	3.39	2.57	2.95	4.64	....	7	..	..	..
1889	39.9	76	6	3.52	3.16	3.12	4.29	0.6	7	..	..	..
1890	46.5	80	14	2.38	1.96	2.48	2.70	T.	5	..	..	..
1891	39.6	82	− 7	4.14	2.67	3.24	6.51	....	8	..	..	..
1892	40.1	79	9	2.75	2.17	2.14	3.95	1.0	6	11	7	12
1893	40.9	79	− 1	1.70	1.32	1.60	2.17	0.3	4	14	9	7
1894	41.0	80	3	1.56	1.59	1.71	1.39	T.	4	15	9	6
1895	41.6	82	− 4	3.60	2.62	3.42	4.76	3.2	8	10	7	13
1896	42.3	82	− 5	2.43	1.47	2.30	3.53	0.2	6	11	7	12
1897	43.4	82	− 3	2.63	1.92	2.02	3.96	T.	6	13	8	9
1898	39.9	79	− 8	2.32	2.03	2.43	2.50	2.3	6	14	8	8
1899	49.5	82	16	2.02	1.38	2.00	2.67	0.2	7	11	9	10
1900	43.7	84	7	2.99	1.52	2.71	4.75	0.2	6	15	7	8
1901	43.6	84	9	1.48	0.99	1.63	1.82	0.3	4	17	7	6
1902	50.1	85	18	3.73	3.05	3.64	4.51	0.4	9	8	9	13
1903	40.9	79	2	1.27	1.24	1.09	1.48	1.1	5	13	8	9
1904	46.3	83	11	0.22	0.18	0.24	0.24	T.	2	21	5	4
1905	45.8	83	2	1.87	2.36	1.35	1.89	T.	6	18	6	6
1906	42.5	88	− 3	3.56	2.55	2.68	5.44	5.0	8	12	6	12
1907	43.8	88	11	2.24	1.39	1.91	3.43	T.	4	19	4	7
1908	47.6	87	9	3.90	2.70	4.67	4.33	0.2	8	15	7	8
1909	53.6	87	11	4.32	3.92	4.98	4.05	0.4	8	12	7	11
1910	42.0	83	11	0.35	0.31	0.22	0.52	0.1	3	15	8	7
1911	39.1	83	− 3	2.63	2.07	2.78	3.04	1.1	7	13	6	11
1912	45.9	85	12	1.50	1.46	1.31	1.73	0.1	3	20	5	5
1913	51.7	80	11	2.71	2.61	2.69	2.83	T.	7	10	8	12
1914	48.6	89	2	0.69	0.36	0.64	1.08	0.1	3	19	6	5
1915	49.5	87	12	2.83	2.30	2.78	3.42	0.1	5	16	7	7
1916	46.9	85	3	2.46	2.25	2.63	2.51	0.1	4	19	4	7
1917	46.1	80	8	1.23	0.10	1.61	1.98	T.	3	14	5	11
1918	44.9	85	12	3.26	2.85	4.14	2.78	1.2	6	15	4	11
1919	42.2	78	2	3.57	3.06	3.19	4.45	1.0	6	15	5	10
1920	40.9	82	6	1.06	1.64	0.82	0.73	T.	6	12	6	12
1921	45.6	84	10	3.11	0.89	1.59	6.85	0.4	5	13	7	10
1922	47.8	84	15	3.68	3.70	3.97	3.38	T.	7	16	6	8
1923	45.1	79	14	2.25	1.39	2.79	2.57	3.0	6	15	6	9
1924	46.7	88	4	1.78	1.16	2.08	2.09	0.5	4	15	8	7
1925	42.8	80	− 2	3.05	1.74	2.78	4.63	2.0	6	16	6	8
1926	39.6	78	0	3.01	2.13	2.86	4.04	4.3	7	11	7	12
1927	46.8	89	12	3.66	2.07	3.78	5.13	0.9	7	6	9	15
1928	44.6	79	9	5.02	5.91	4.88	4.26	0.5	10	13	4	13
1929	39.0	78	− 8	1.46	1.40	1.00	1.98	2.1	6	11	8	11
1930	45.8	83	8	2.93	2.94	3.28	2.56	T.	5	18	5	7
1931	52.2	87	17	5.42	5.58	5.32	5.35	1.4	11	10	5	15
1932	39.5	75	− 9	1.87	1.55	2.11	1.95	4.5	5	16	5	9
1933	45.9	83	7	0.93	0.47	0.96	1.37	0.2	4	16	6	8
1934	48.5	84	16	5.71	5.62	5.84	5.67	4.6	10	14	5	11
1935	42.2	82	10	4.16	4.52	4.69	3.28	0.1	10	8	4	18
1936	42.2	79	0	1.89	1.15	2.04	2.49	1.4	3	21	4	5
1937	41.0	90	− 7	1.85	1.58	1.87	2.11	4.1	7	15	6	9
1938	45.9	89	2	4.28	4.01	4.64	4.20	1.3	6	17	5	8
1939	43.5	78	12	2.58	2.36	2.97	2.42	0.0	7	13	6	11
1940	42.2	83	− 2	3.46	2.77	3.31	4.29	1.2	9	12	7	11
1941	45.5	85	10	2.29	2.00	2.32	2.55	1.9	7	14	5	11
1942	47.9	82	6	4.30	3.81	3.42	5.67	0.8	11	11	6	13
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	44.4	90	− 9	2.71	2.23	2.65	3.25	1.0	6	14	6	10

Natural History Library

Climatological Data for November 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	43.6	.....	78	19	10	29	13	1.61	−0.10	0.59	4–5	1.0	9	12	6	12	ne.	Curtis E. Grace
Bethany	Harrison	916	47	43.9	+ 1.1	77	19	13	29	49	2.40	+0.36	1.13	4–5	3.0	8	12	5	13	s.	A. S. Cumming
Brookfield	Linn	767	1	46.0	.....	79	19	16	27	1	3.79	.....	1.07	20–21	2.0	10	12	10	8	sw.	E. W. Patrick
Brunswick	Chariton	652	61	44.5	+ 2.9	79	19	19	27†	63	2.76	+0.57	0.60	21	2.0	8	16	1	13	sw.	O. K. Benecke
Cantou, Lock & Dam 20	Lewis	488	4	46.6	.....	80	19	18	27	12	6.21	+3.50	2.47	21	1.5	9	12	2	16	s.	Lockmaster
Chillicothe	Livingston	779	33	43.8	+ 2.5	77	19	14	27	36	3.73	+1.61	0.91	9	1.0	7	13	2	15	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	43	46.8	+ 3.4	80	19	18	27†	33	3.16	+1.18	1.25	9	2.2	9	10	6	14	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	47.6	+ 3.5	80	19	21	27	52	3.41	+1.21	0.85	9	0.7	14	9	9	12	s.	U. S. Weather Bureau
Conception	Nodaway	980	53	42.4	+ 1.0	77	19	6	29	58	1.41	−0.33	0.60	21	2.0	6	12	7	11	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	22	44.6	+ 2.8	78	19	11	27	39	2.61	+0.64	0.98	4–5	1.0	9	8	6	16	n.	LeRoy Mindrup
Elsberry	Lincoln	449	11	....	....	..	..	..	..	11	....	.....	....	.....	....	..	..	..	..	.....	Ray E. Mills
Fayette	Howard	760	62	46.5	+ 4.3	80	19	12	27	59	3.82	+1.72	1.50	9	2.0	10	13	1	16	s.	Irvin E. Schnell
Fulton	Callaway	818	54	48.0	+ 3.8	79	19	19	27	50	3.29	+0.98	0.88	17	T.	10	12	7	11	s.	Robert T. Wise
Grant City	Worth	1,134	38	42.4	+ 0.5	78	19	8	29	50	1.43	−0.42	0 39	9	1.2	8	13	5	12	se.	Howard Rybolt
Hannibal	Marion	759	50	45.2	+ 3.1	79	19	18	27	58	4.19	+2.93	1.24	22	4.3	12	11	4	15	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	46.8	+ 3.1	77	19	18	29	53	2.74	+0.91	0.99	4–5	0.1	12	9	4	17	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	46.7	.....	77	19	18	29	4	3.14	.....	1.04	4–5	0.1	14	6	8	16	nw.	University of Kansas City
Kidder	Caldwell	1,020	50	44.0	+ 2.2	76	19	12	29	54	4.09	+1.94	1.40	5–6	2.0	11	14	2	14	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	44.8	+ 4.2	78	19	17	27†	60	4 37	+2.25	1.18	21	2.8	9	10	9	11	nw.	Howard Coons
Lawson	Ray	1,070	4	44.8	.....	79	19	13	29	4	3 80	.....	1.40	4–5	1.1	10	15	4	11	sw.	Frank G. Gstrein
Louisiana	Pike	469	48	44 6	+ 0.5	79	19	18	27	61	5.44	+2.98	1.40	21	4.0	12	8	17	5	s.	Stark Bro's Nurseries
Macon	Macon	875	43	43.6	+ 0.8	79	19	17	29	49	4.17	+1.98	1.12	9	4.0	11	6	9	15	se.	John W. Atwell
Maryville	Nodaway	1,169	52	42.4	+ 3.0	76	19	6	29	48	1.30	−0.62	0.70	21	2.5	8	12	4	14	nw.	R. B. Montgomery
Memphis	Scotland	787	3	41.3	.....	80	19	15	28†	12	3.90	+0.91	1.09	21	2.5	10	9	4	17	nw.	John W. Alexander
Mexico	Audrain	800	53	45.8	+ 1.3	80	19	20	27	64	5.83	+3.60	1.50	22	3.5	11	11	1	18	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	44.6	.....	79	19	16	30	5	3.36	.....	0.77	21–22	3.8	11	5	12	13	nw	Moberly Water Dept.
Oregon	Holt	1,048	86	44.8	+ 4.3	80	19	10	29	86	1.58	−0.40	0.57	21	4.5	7	11	8	11	se.	Miss Mina Wright
St. Charles	St. Charles	520	54	47.2	+ 1.9	80	19	21	27	64	6.12	+4.01	1.20	5†	T. ¶	15	8	11	11	sw.	Martin L. Comann
St. Joseph	Buchanan	957	32	45.0	+ 3.5	78	19	14	29	70	1.60	+0.02	0.50	20–21	2.3	9	10	7	13	s.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	48.2	.....	80	19	21	27	4	6.07	.....	2.22	9–10	2.5	11	11	9	10	se.	Lockmaster
Shelbina	Shelby	779	1	45.9	.....	80	19	17	27	49	5.00	+2.90	1.27	9–10	2.6	11	16	3	11	se.	Guyman Hatcher
Steffenville	Lewis	650	44	45.3	+ 1.8	79	19	17	27†	49	5 84	+3.65	1.46	9	3.6	9	10	6	14	se.	Samuel D. Gross
Tarkio	Atchison	916	39	41.3	+ 1.2	78	19	8	29	48	1.38	−0.36	0.34	22–23	5.0	8	11	7	12	se.	Albert Volker
Trenton	Grundy	822	46	45.8	+ 3.6	78	19	15	29	47	3.96	+1.84	1.14	5	3.5	9	9	7	14	s.	W. H. Estes
Unionville	Putnam	1,062	49	42.4	+ 2.1	80	19	11	27	49	3.72	+1.52	0.97	9–10	2.0	9	9	7	14	sw	C. D. Wilson
Warrenton	Warren	816	60	47.8	+ 4.6	79	19	16	27	52	4.52	+1.90	0.97	5	0.2	12	13	6	11	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	70	43.5	+ 2.4	79	19	17	27	70	4.14	+2.20	1.23	9	2.2	13	9	5	16	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**45 0**	**+ 2 6**	**80**	**19**	**6**	**29**	..	**3.81**	**+1 58**	**2 47**	**21**	**2.2**	**10**	**11**	**6**	**13**	**se.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	38	51.3	+ 2.0	79	18	22	26	43	1.71	−1.64	0.57	17	T.	4	11	10	9	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	48.9	+ 2.9	81	18	20	27	50	2.11	−0.19	0.55	5	0	9	12	3	15	sw.	Rolla Brown
Bolivar	Polk	1,071	39	50.2	+ 3.4	79	18	22	27†	47	2.86	+0.28	0.82	4–5	T.	12	13	7	10	sw.	Southwest Baptist College
Boonville	Cooper	650	4	44.6	.....	79	19	20	30	65	2.59	+0.38	0.60	5	0.5	13	12	2	16	se.	Boonville Water Dept.
Carthage	Jasper	962	8	50.7	.....	79	18	14	29	18	2.32	.....	0.84	4–5	0	9	15[b]	4[b]	9[b]	s.	Carthage W. and E. Plant
Clinton	Henry	786	49	48.1	+ 1.1	81	18	21	27	55	3.05	+0.89	0.65	28	T.	12	13	4	13	e.	U. S. Weather Bureau
Eldon	Miller	934	47	46.6	+ 1.8	80	18†	18	27	43	3.06	+0.61	0.86	5	0	11	13	10	7	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	50.8	.....	80	18	21	27	1	5.17	.....	1.45	5	T. ¶	13	13	4	13	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	45.3	+ 2.8	77	18†	19	27	67	2.98	+0.84	0.60	5	1 0	11	11	2	17	sw.	John H. Patterson
Jefferson City	Cole	557	52	46.8	+ 2.7	79	19	23	27†	60	2.84	+0.45	0.80	10	T	10	13	3	14	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	51.6	+ 3.3	78	18	26	29	37	2.34	−0.43	0.84	4	0	8	..	..	.....	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	49.4	+ 4.9	81	18	21	27†	11	2.93	−0.78	0.78	5–6	0	12	7	10	13	sw.	W. S. Frame
Lamar	Barton	980	54	46.8	+ 0.5	82	18	18	27	61	4 25	+1.72	1.20	5	0	10	14	2	14	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	54	46.4	+ 0.8	77	19	18	27†	55	5.32	+2.68	1.77	5	0	10	13	4	13	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	45.3	+ 1.1	78	19	18	29†	58	2.94	+0.82	0.94	21	1.5	10	12	8	10	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	51.7	+ 4.7	80	18	23	29	46	2.19	−0.65	0.92	4–5	T. ¶	9	16	1	13	nw.	Hubert A. Nieman
Marshall	Saline	779	55	48.8	+ 3.6	79	19	20	30	52	4.11	+1.79	1.52	9	2.0	8	13	2	15	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	49.0	+ 3 1	78	18	20	27	45	5 06	+2.11	1.49	17	0	11	11	7	12	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	52.6[e]	+ 6.8	79	18	20	30	42	3.51	+0.57	1.70	4–5	T. ¶	10	10	4	16	s.	G. H. Boswell
Neosho	Newton	1,011	55	52.0	+ 4.7	79	18	22	27	59	3.23	−0.07	1.90	4–5	0	9	11	7	12	se.	U. S. Fisheries Station
Nevada	Vernon	862	49	50.3	+ 5.5	80	18	22	26†	50	2.19	+0.04	0.59	4–5	T. ¶	11	14	6	10	sw.	Henry Kraft
Ozark Beach	Taney	700	2	50.4	.....	79	18	23	27	17	6.14	+3.37	2.42	5–6	0	10	9	7	14	s.	V. Smith
Sedalia	Pettis	910	29	49.0	+ 5.7	78	19	20	27	31	3.45	+1.83	0.72	4–5	T.	12	11	4	15	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	49.8[b]	+ 2.5	74	9†	21	30	39	6.58	+3.49	1.93	9	T.	8	11[b]	6[b]	11[b]	e.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	49 0	+ 3.1	77	18	19	27	36	3.34	+0.45	1.56	4–5	T.	9	11	5	14	s.	A. L. Hailey
Springfield	Greene	1,301	54	48.2	+ 3.2	77	18	20	27	54	4.43	+1.64	2.20	4–5	T.	13	8	5	17	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	48.1	.....	79	19	18	27	1	2.91	.....	0.56	17	0.5	12	9	11	10	s.	H. F. Nelson
Warrensburg	Johnson	878	55	48.2	+ 3.2	79	19	21	29	62	2.56	+0.34	0 64	21	T. ¶	10	10	6	14	sw.	E. A. Markey
Warsaw	Benton	687	41	49.4	+ 2.2	80	18	17	27	47	2.04	−0.60	0.61	5	0	11	9	11	10	s.	Everett Martin
Wasola	Ozark	1,294	1	50.7	.....	78	18	23	27	2	6.41	.....	2.27	4–5	T. ¶	10	14	3	13	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**49.0**	**+ 3.2**	**82**	**18**	**14**	**29**	..	**3.42**	**+0.77**	**2.80**	**5**	**0.2**	**10**	**12**	**5**	**13**	**s.**	
Southeastern Division																					
Advance	Stoddard	354	5	49 0	.....	80	19	21	27	5	6.23	.....	1.66	21–22	0	15	9	7	14	s.	U. S. Weather Bureau
Arcadia	Iron	926	61	48.0[e]	+ 4.1	78	19	17	27†	64	6.15	+3.03	1.59	5–6	T.	14	12	2	16	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	48.8	+ 2.2	79	18†	18	11	48	7.12	+3.96	1.90	4–5	0	13	13	1	16	s.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	53.0	.....	80	19	24	27	11	6.89	+3.12	1.60	21–22	0	8	13	3	14	s.	Paul B. Hutchens
Campbell	Dunklin	314	16	52.6	+ 5.0	81	19	25	27	16	6.53	+2.83	2.87	22	0	9	13	5	12	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	51.1	+ 0.7	80	19	26	30	50	6.28	+2.43	1.62	22	0	8	12	5	13	sw.	Victor T. Malloure
Crystal City	Jefferson	420	8	48.6	.....	82	19	16	27	8	5.66	.....	1.09	4–5	0	10	3	5	22	s.	Frank Magre
Doniphan	Ripley	344	38	51.3	+ 4.0	80	18†	17	27	38	5.82	+2.40	0.89	21	0	11	17	0	13	s.	Boyce Lackey
Farmington	St. Francois	896	31	49.4	+ 4.6	77	19	20	27	45	4.74	+1.92	0.93	17–18	0	14	12	2	16	s.	F. M. Karsch
Goodland	Iron	1,000	49	48.0	+ 3.3	78	19	14	27	49	6.33	+3.61	1.31	22	0	12	15	2	13	s.	F. M. Adams
Greenville	Wayne	381	33	50.7	+ 5.3	80	19	20	11	35	6.79	+3.43	2.08	17	0	11	11	6	13	s.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	50.8	+ 4.2	78	19	21	27	52	7.37	+3.99	2.15	17	0	13	8	4	18	s.	John G. Putz
Jefferson Barracks	St. Louis	465	36	51.0[a]	+ 7.6	81	18†	22	27	28	4.06	+0.57	0.95	17–18	0	15	7[e]	10[e]	8[e]	s.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	51.6	+ 2.6	80	18†	20	27	42	7.42	+4.16	1.97	21	0	11	15	2	13	sw.	Charles W. Pease

Continued on next page

Climatological Data for November 1942 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	48.8	.....	79	18	12	27	5	3.49	.....	1.38	5	0	12	14	2	14	n.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	49.4	+ 4.2	80	19	17	27	49	5.65	+2.10	1.45	17	0	9	13	4	13	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	51.7	+ 4.0	80	19	22	27	38	4.82	+1.34	1.04	22	0	11	13	5	12	nw.	B. R. Wheetley
Rolla	Phelps	1,202	42	47.5	+ 2.5	78	18	19	27	58	8.91	+6.23	6.13	4–5	T.	11	10	9	11	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	49.0	+ 3.6	80	19	23	27	105	4.40	+1.57	1.59	21–22	T.	12	10	7	13	sw.	**Section Center**
St. Louis Airport	St. Louis	556	5	47.5	+ 3.6	80	19	22	27	11	5.07	+2.67	1.22	21–22	T.	13	7	8	15	sw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	48.8	+ 3.1	80	19	23	27	30	4.52	+1.98	1.23	22	T.	14	7	7	16	se.	St. Louis University
Salem	Dent	1,173	38	49.4	+ 3.3	79	18	17	27	11	4.16	+1.52	1.30	4–5	0	13	12	5	13	s.	E. E. Martin
Sikeston	Scott	318	35	50.4	+ 3.2	81	19	24	27†	45	5.57	+2.01	1.58	22	0	14	10	6	14	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	4	50.0	.....	81	19	19	27	25	4.68	+1.93	1.24	21	0	15	14	3	13	se.	Robert Mueller
Wappapello Dam	Butler	475	3	50.6	.....	79	9	25	27	3	6.50	.....	2.01	21–22	0	12	12	4	14	s.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	....	.....	..	..	..	..	2	....	.....	....	.....	....	..	..	..	..	.....	.....
West Plains	Howell	1,005	5	47.6	.....	78	19	18	27	5	7.10	.....	1.98	21–22	T.	11	10	4	16	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	49.2	.....	79	18	15	27	35	5.98	+2.64	1.99	5	T.	9	12	6	12	s	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	51.8	+ 4.5	78	19	28	27	71	5.23	+1.55	1.26	21–22	0	15	8	8	14	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**49.8**	**+ 3.8**	**82**	**19**	**12**	**27**	..	**5.67**	**+2.42**	**6.13**	**4–5**	**T.**	**12**	**11**	**5**	**14**	**s.**	
State means	**and extremes**	.....	..	**47.9**	**+ 3.5**	**82**	**18†**	**6**	**29**	..	**4.30**	**+1.59**	**6.13**	**4–5**	**0.8**	**11**	**11**	**6**	**13**	**s.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

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Glaze.—22d, 25th, 28th, 29th.

Hail.—Light, 8th at Kidder, 9th at Brunswick, 16th at Columbia and Mexico, 17th at Roby, 21st at Brunswick.

Halos.—Solar, 1st, 4th, 15th, 19th, 25th; lunar, 18th.

Sleet.—21st, 22d, 23d, 25th, 28th, 30th.

Thunderstorms.—Local, 8th, 10th, 20th, 22d; more or less general, 9th, 16th, 17th, 21st.

Windstorms.—No damaging winds reported but rather high winds occurred on several days.

ERRATA

October 1942, page 57: Mean temperature at Rolla should be 57.2, departure should be + 0.7, date of maximum temperature should be 2d, greatest precipitation in 24 hours should be 3.29 on 29–30th. Page 60: Maximum temperature at Clinton on 18th, 22d, 25th, and 30th should be 59, 55, 48, and 64 respectively, mean maximum should be 70.6; maximum temperature at Rolla on 14th and 22d should be 75 and 57 respectively, mean maximum should should be 68.4.

Daily Precipitation for November 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																
Albany	Grand				.08	.51				*	.23											.42	.14	.08		.03			.12				1.61
Amity[2]	do	.04				.68			T.	.13	.11							.03		T.		1.10	.24	.15	T.		T.			.17			2.65
Bethany	do				.10	1.03				.17							.10					.59	.11	.10						.20			2.40
Bowling Green[2]	Mississippi					.63		.08		.28	.76							.50	.20			.40	1.38	.27						.70			5.20
Brookfield	Grand				T.	.67				.82	.03							.33			.01	1.06	.36	.15			T.		.12	.24	T.		3.79
Brunswick[2]	do	T.				.43		.12		.30	T.							.47	T.	T.		.60	.23	.11						.50			2.76
Canton, Lock No. 20[2]	Mississippi	T.				.58		T.	T.	.29	.26							.83				2.47	.59	.76	.04		T.			.39			6.21
Centralia[2]	do					.58		.07		.38	.42							.43	.08			.28	.60	.08						.34			3.26
Chillicothe[2] (A)	Grand	T.				.74				.91								.69				.59	.43	.19						.18			3.73
Clifton Hill	Chariton				.17	.58				1.25											.02	.42	.20	.10					.10	.32			3.16
Columbia [1‡]	Missouri	.01	.01		.52	.09		.05	T.	.85	T.						.57	.10	.02			.60	.09	.03		T.			.46	.01	T.		3.41
Conception	do				T.	.22				.15											T.	.60	.17	.07		T.			T.	.20			1.41
Edgerton	do				.07	.91			T.	.55							.03				T.	.50	.15	.15					.05	.20			2.61
Edina[2]	Mississippi	.03				.73				1.46	.05							.43				2.20	.56	.37	T.		T.			.33			6.16
Elsberry	do																															
Farber[2]	do			T.		.52	.01	.08		.27	.59							.42	.09	T.		.27	*	1.29	.04					.50			4.08
Fayette	Missouri	T.	T.		.15	.66		.06	T.	1.50								.53	.03		T.	.56	.10	T.					.11	.12			3.82
Fulton	do				.15	.61		.08	T.	.12	.45							.88	T.			.45	.45	.05						.05			3.29
Gallatin[2]	Grand	.54				1.05	T.			.34							.45	.55		T.		.64	.72	.18						.22			4.24
Grant City	do				.20	.18				.39	T.							.09			.50	.38	.12	.07		T.	T.		T.	.04	.05		1.43
Hannibal[3] (A)	Mississippi				.33	.36		.01		1.16								.45	.55			.13	.45	.45	.19					.19			4.99
Hermann[2]	Missouri					.90	.05	.10		.02	.60							.65	.08			1.15	*	.88	.06					.20			4.08
Kahoka[2]	Mississippi		T.			.80				.78	.38						.06				.69	.10	.05	.03				.35	T.	T.		4.98
Kansas City Airport [1‡]	Missouri	T.	.05		.85	.14	T.	.04	.02	.36							.18					.77	.11	.05	.06				.26	.20			2.74
Kansas City University	do		.10		.09	.95	.02	.05	.03	.27								.54		.01	.10	.92	.53	.10						.13			3.14
Kidder[2]	Grand	.04				1.25	.15			.32	T.										T.	.55	.50	.25		T.			T.	.15			4.09
King City	Missouri						.48		T.	T.								.70			.02	1.18	.50	.07			T.		.02	.36			1.93
Kirksville	Mississippi					.74				.78								.57		.01		1.38	.38	.54	.02					.34			4.37
LaBelle[2]	do					.69	.02			.59	.19							.02				1.37	.17	.07					.15	.17			4.73
Lawson	Missouri				.75	.65		.09	T.	.36								.40				1.04	.45	.16						.22			3.80
Linneus[2]	Grand	.08				.63				.72	T.							.60	.20			1.40	.45	.35	.10					.52			3.70
Louisiana[2] (A)	Mississippi					.50	.07	.05		.10	1.10							.35				1.12	.29	.09			T.			.16			5.44
Lucerne[2]	Grand					.94	.06			.16	.21							.53	T.	T.		.72	.44	.11	.01					.45			3.38
Macon[2]	Chariton	T.	T.			.65	.01	.01		1.12	.12							.43	.50	.02		.39							.02	.26			4.17
Madison[2]	Mississippi	T.				.91			.11	.53										.04	T.	.70	.13	.03		T				.10			3.17
Maryville	Missouri					.06			T.	.18	.06											1.09	.17	.25	.03		T.			.41			1.30
Memphis[2]	Mississippi	T.				.62	.03			.58	.32							.40				.65	1.50	.26	.10					.50			3.90
Mexico[2]	do					.60		.15		.40	.95							.52	.20			.98	.36	.21	.05					.18			5.83
Milan[2]	Grand					*	.65			.23	.07							.37				.72	.44	.11	.01					.45			3.10
Moberly[2]	Mississippi					.72		.10		*	.67							.67	.02	T.		.87	.40	.08		.03				.30			3.36
Monroe City	do					.99		.07		.84	.19							.54	T.			.39	1.24	.04						.31			4.61
New Florence[4‡]	Missouri	T.	.02		.46	.22	T.	.11	T.	.65	T.						.49	.31				.43	.63	.07		T.			.16	.01	T.		3.56
Oregon	do				.04	T.			.02	.30										T	T.	.57	.30	.10		T.				.25			1.58
Palmyra[2]	Mississippi					.54	.12	.05		.85	.12							.58	.08	.03		.40	.30	1.02	.05					.40			4.54
Paris[2]	do					.70	T.	.03		.75	.85							.45		.02		.57	.62	.16	T.					.27			4.42
Perry	do					.55		.07		.76	.45							.50	.07			.19	.95	.05						.25			3.89
Philadelphia[2]	do					.54	.48			.40	.05									.15		.42	.30	1.46						.56			4.36
St. Charles[2]	Missouri					1.20	.02	.25	.02	.02	.28						.38	1.20	.02	.04		.70	.74	1.02	.07					.16			6 12
St. Joseph[1‡]	do		T		.23	.07			.02	.08										.62	.30	.10	.01		T.				.17			1.60
Saverton, Lock No. 22[2]	Mississippi		T.			.72		.07		.57	1.65							.56	.03			.60	.93	.40	.03		T.			.51			6.07
Shelbina	do					1.05		.03		1.24	.03							.60	.03			.29	1.21	.10		T.				.01	.41			5.00
Shelbyville[2]	do					1.13				1.28								.58				.87	.57								.63			5.06
Steffenville	do	.04				.77				1.46	T.							.68	T.	T.	T	1.40	1.07	.06	T.				.12	.24	T.		5.84
Tarkio	Missouri									.05	.24										.08	.32	.18	.16		.20			.15			1.38
Trenton	Grand				T.	1.14				*	.44						.36				T.	1.07	.61	.08		.01	T.			.25			3.96
Troy[2]	Mississippi			.05		.60	.05	.18		T.	.72							.40	.60			.65	.60	.70	.20					.30			5.05
Unionville[2]	Chariton					.62	T.			.23	.74							.80				.79	.19	.09			.01			.25			3.72
Warrenton	Mississippi				.04	.97		.13	.03		.60							.65	.06			.67	.87	.22					.26	.02			4.52
Keokuk, Iowa[3]	do	.04			.40	.24		.02		1.23	T.						.45	T.	T.	T.	.33	.60	.41	.03		T.			.14	.04	.21		4.14
Southwestern Division																																
Altona[2]	Osage					.82		.10	.10	.08								.75				.34	.31							.49			2.99
Anderson (near)	Neosho					T		.43	T.	.38								.57			T.	.33		T.					T	T			1.71
Appleton City	Osage					.55		.15		.30								.45				.23	*	.13						.20	.10			2.11
Bolivar	do				.15	.67		.49	.03	.03	.19							.30	.40			.35	.06	.07					T.	.12			2 86
Boonville[2] (A)	Missouri					.60	.02	.08		.38	.25						.03	.37	.02			.32	.25	.05	.02					.20			2.59
Buffalo[2]	Osage					1.04	.03	.31	.09		.19							.50	.41			.85	.16	.14						.11			3.83
Butler[2]	do		.01			.55		.09	.01	.59								1.01	.02			.30	.12	.18						.52			3.43
Caplinger Mills[2]	do					.64	T.	.35	T.									.26	T.			1.20	.05	.30						.20			3 00
Carthage	Neosho				.60	.24		.30		.10	.32							.45				.05	.06							.20			2.32
Clinton[4]	Osage		.06		.47	.08		.15	.03	.57							.42	.04		T.	.44	.10	.04					.65	T.	T.		3.05
Concordia	Missouri		.02			.47	T.	.07	T	.73	.01							.83	.01			.41	.16	.06	T.					.34			3.11
Crocker	Osage				.24	1.17		T	.42		.55							.72	.05			.80	.27	T					.37				4.59
Eldon[2]	Missouri			.06		.86		.10	.05	.02	.66							.50				.15	.34	.11						.21			3.06
Eldorado Springs	Osage		T.		.21	.41		.30	.06	.16	.05							.28			T.	.22	.19	.18					.05	.03	T.		2.14
Fort Leonard Wood	Gasconade				.12	1.45		.32	.10	.70	.43							.45	.62			.55	.25	.06					.02	.10			5 17
Galena[2]	White					2 80		.42	.05		.19						1.15					.45	.07										5.13
Hailey	do				.36	2.08		.52	.04	.02								1.11				1.06	.06	T.									5.25
Harrisonville[2]	Osage		.18			.60		.31	.02	.08								.38		.01		.56	.36	.11						.37			2.98
Jefferson City[2]	Missouri					.57		.10	.04		.80							.46	.11			.20	.28	.06						.22			2.84
Joplin[4]	Neosho				.84	.34		.21	.05	.18							.36				T.	.08						.28				2.34
Lakeside[2]	Osage			.04		.77	.01	.19	.06	T.	.66							.34	.05			.30	.23	.11	T.					.17			2.93
Lamar[2]	Neosho					1.20		.40	.10	.05	.45							.60				1.00	.10	.15						.20			4.25
Lebanon[2]	Osage					1.77		.55	.08		.40							.59	.60			.28	.80	.19						.06			5.32
Lexington[2]	Missouri		.03			.52		.04	.06	.17								.42				.94	.13	.19						.44			2.94
Lockwood	Osage				.40	.52		.21		T	.32							.30	.10			.05	.17	T.						.12			2.19
Manes[2]	Gasconade																															
Marshall	Missouri				T.	.68		.04		1.52								.83				.05	.54	T.					.06	.39			4.11
Mountain Grove	White				.16	1.24	.03	.72	.08	.03	.22							1.49				.90	.16	.03									5.06
Mount Vernon	Neosho				*	1.70		.60	.05	.04	.21							.48	T.		.26	T.	.10	.07									3.51
Neosho	do				.59	1.31		.20	.04	.06								.82				.10	.09	T					.02				3.23
Nevada	Osage	T.	T.		.14	.45		.30	.03	.08								.41				.19	.17	.18					.06	.18			2.19
Osceola[2]	do					.75		.13	.03	.01	.05						.45					.30		.31					.24				2.27
Ozark Beach[2]	White					2.37	.05	.36	.45	.01	.38							.96				1.18	.34							.04			6.14
Pleasant Hill[2]	Osage	T.	.24	.04		.44		.12	.06	.42	T.							.30				.38	.13	.07						.12			2.32
Roby	Gasconade				.23	1.39	T.	.35	.12	.05	.14							.76				.20	.20	.09					.02	.05			3.60
St. Thomas (near)[2]	Osage					.95		.11			.49							.09	.11			.44	.22	.08						.18			2.67
Sedalia	Missouri		.14		.06	.66		.08	.02	.46	.50							.50				.43	.14						.17	.29			3.45
Seligman	Neosho				.60	1.93	T.	1.22	.18		.18							1.71			T.	.68	.08	T.									6.58
Seymour (near)	White				.12	1.44		.45	.10		.16							.70				.25	.08	.04									3.34
Springfield [1‡]	do				1.06	1.15	T.	.36	.04	.24							.89	.16	.02		.04	.36	.04	.02					.05	T.			4.43

Continued on next page

Daily Precipitation for November 1942 (Continued from preceding page)

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Southwestern Division—Concluded																															
Stover[2]	Missouri				.70		.32			.20							.52				.52			.08								2.34
Sweet Springs	do				.13	.45		.15	T.	.55	T.							.56		.01		.55	.08	.08	.02				.13	.20	T.		2.91
Warrensburg	do		.16			.18		.18										.49		.02	T.	.61	.07	.15					.15	.22	T.		2.56
Warsaw (A)	Osage		.06		.14	.61		.19	.01	.09								.36				.27	.06	.13					.09	T			2.04
Wasola	White				.22	2.05		.75	.07	.24								1.25			T.	1.71	.06	T.					*	.06			6.41
Waverly[2]	Missouri	.05				.38		.06	.05	.60								.24				.40	.20	.07	.03	*				.42			2.50
Southeastern Division																															
Advance[4]	St. Francis		.01		.01	.82	.01	.89	T.	.05								1.61	.06		.21	1.17	.56	.01					.71	.10	.01		6.23
Alton (near)	Illack					1.66		.60										1.38			.16	1.56	.69						.28	.56			7.19
Annapolis	St. Francis				.05	1.37	.10			.17	.33							1.19	.03		.02	1.44	.68	.06					.29	.69			6.42
Arcadia[3]	do			T.		1.52	.07	.36	.25	.14	.25							.66	.43	.01		.13	1.10	.45	.02					.76			6.15
Belleview	Meramec				*	1.22		.50										.90	.22			.90	.52						.48				4.74
Birch Tree(near)	Black				.15	1.75	.25	.65	.08		.17							1.82			.03	1.03	.80	.10					.12	.17			7.12
Bragg City	St. Francis				.49	.99	1.39				.89							T.			.50		1.60			T.		T	1.03			6.89
Campbell	do					.60	.07	1.02			.78										.14	.46	2.87					.08	.51			6.53
Cape Girardeau[2]	Mississippi			.03		.87	.81	.02	.22		.31							1.82	.90			.27	1.22	.82	.04					1.04			8.37
Carruthersville[2]	do					T.	1.55	.03	1.45		.40											.40	1.62	.10						.73			6.28
Centerville[2]	Black					1.47	.05	.38	.06	.16	.20							.50	.35			.11	1.48	.35	.01					.73			5.85
Crystal City	Mississippi				*	1.09		.10	.16									*	1.61			1.03		.86					*	.81			5.66
Deering[2]	St Francis				.28	.98	.02	T			.60											.40	1.43	.06						1.00	T.		4.77
Dexter[2]	do			.08		.23	.77		.45		.31							T.	.06			.67	1.41	.42						.61	.02		5.03
Doniphan	Black					.87	.39	.70			.08							.82			.65	.89	.55	.12					.20	.55			5.82
Farmington	St. Francis		T.		.08	.78	.03	.34	.18	.01	.15							.68	.25			.57	.89	.02					.23	.53			4.74
Fisk[2]	do				.06	.62	.81	.17	T	.04		.01						.06	.23			.47	61	.75	.04					.76	.11		4.74
Fredericktown[2]	do					.92	.10	.29	.29		.08							.69	.49			.04	1.38	.42						.72			5.42
Gerald[2]	Meramec					.55		.95										.70	.02			.15	1.00	.56						.30			4.23
Goodland	Black				.07	1.20		.10	.39	.37	.69							1.04	.21				1.31	.05					.32	.28			6.33
Greenville	St. Francis					.65	.02	.69	.04									2.08			.13	1.01	1.02	.19					.32	.64			6.79
Jackson	Mississippi		.03			.53	.31	.27	.04		.17							2.15				1.12	1.62	.18	.02				.17	.76			7.37
Jefferson Barracks	do		.10			.90	.05	.07	.03	.02	.20							.45	.50			.67	.75	*	.02				.08	.22			4.06
Jerome[2]	Gasconade					1.20	.10	.40											.20			.30	1.40	.40						.20			4.20
Koshkonong	Black				.37	1.53	.08	.58	T		.06							1.52			.12	1.97	.55	T.					.10	.54			7.42
Leeper[2]	do			.03		.66	.30	.50	.19	.04	.12							1.64	.66			.12	1.44	.35	.03					.86			6.94
Licking (near)	Gasconade				.12	1.38	T.	.24	.12	.03	.27							.61	.15			.38	.01	.02					.16				3.49
Marble Hill	Mississippi					.66		.34			.19							1.45				.86	1.10	.19					.36	.50			5.65
Meramec Park[2]	Meramec					1.18	.08	.17	.09	.03	.24							.30	.94			.28	.52	.29	.07					.40			4.59
Morehouse	Missi-sippi		.05			.76	.14	.35	T		.73							.23	.01		T.	.41	2.22	.06					.30	.43			5.69
New Madrid[2]	do			T.		.01	.51	.07	.73		.25	T.										.41	1.47	.23	T.					.89	T.		4.57
Owensville[2]	Gasconade				1.04		.15	.13			.29						.04			.30		.60	.49	.32						.28			3.64
Pacific[2]	Meramec					1.05	1.05		.02	.20								.75	.35			1.05	.80	.72	.11								6.10
Parma[2]	St Francis					.05	.62	.05	1.00		.61											.24	1.59	.33						.75			5.24
Perryville[2]	Mississippi				*	.82		*	.12		T.							.50	.52			*	1.34	.44						.88			4.62
Poplar Bluff[2] (A)	Black		T.	.34		.84		.10	.56		.10							.62	.06			.60	1.04	.25						.31			4.82
Richwoods[2]	Meramec	.30				.70	.70	.05	.15									.55	.50		.20		1.30	.20						.40			5.05
Rolla[4]	do		T.		4.20	1.94	T.	.20	.03	.49							.19	.39	T.		T.	.83	.32	.02					.30	T			8.91
St. Louis:																															
City Office[1‡]	Mississippi	T.	.05		.25	.68		.08	.02	.20								.73			T.	.70	1.36	.08	.02	T.			.23		T.		4.40
Airport[4‡]	Missouri	.01	.03		.32	.82		.19	.01	.32								.74			T.	1.18	1.15	.14	.02	T.			.14	T.	T.		5.07
St. Louis Univ.[3‡]	Mississippi		.06	T	.30	.76	.01	.10	.01	.15								.72	.02			.88	1.23	.05	.01				.22	T.	T.		4.52
Washington Univ.[2‡]	do			.02		1.05	.01	.09	.01	.01	.25							.40	.50			.41	.70	.64	.11					.21			4.41
Salem	Meramec				.06	1.24	.04	.38	.18		.35							.74	.11			.27	.53	.05					.15	.06			4.16
Sikeston[2]	Mississippi			.05		.27	.53	.15	.17		1.05							.27	.14	T.		.30	1.58	.30	.01	.01				.74			5.57
Union	Meramec		.04		.07	1.04	.04	.11	.06	.04	.10							.70	.22			1.24	.77		.04				.10	.11			4.68
Valley Park[2]	do					1.04	.03	.08	T.	.03	.28							.46	.50			.30	.78	.82	.05								4.37
Van Buren	Black		T.			.88	.30	.42	.09									2.32			.10	1.20	.30						*	.78			6.39
Wappapello Dam[2]	St Francis			T.		.68	.43	.50	.43		.08							1.19	.05			.35	1.66	.34	.01					.78			6.50
Weingarten[2]	Mississippi																														
West Plains[4]	Black				.58	1.18	.15	.38	.23	.24								1.61	T.		.20	1.74	.29	T.				.50				7.10
Williamsville[2]	do					.70	.18	.45	.28	.01	.15							1.40	.42			.56	2.04	.49						.94			7.62
Willow Sprgs. (near)	White	T.	T.			1.99		.86	.12									1.08			.14	*	1.48	.09					T.	.22			5.98
Zalma(near)	Mississippi		T.			.75	.09	.68	.01		.11							2.00	T		.01	1.00	1.10	.02					.23	.70	T.		6.70
Cairo, Ill [1‡]	do		.06		T.	.62	.17	.56		.27	.64							.44	.27		.19	.76	.51	.05	.06	T.			.35	.28	T.		5.23

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for November 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.066	.150	.087	.105	.124	.043	.101	.017	.004	.198	.105	.069	.150	.093	.170	.175	.105	.024	.055	.163	.061	.024	.004	.035	.075	.121	*	.148	.014	.029	....	2.515
	Mean temperature	52	48	44	43	54	50	49	56	64	40	44	53	46	46	51	64	62	64	66	70	57	46	38	50	54	36	35	34	35	36	..	49.4
	Wind movement	39	111	55	56	90	58	47	12	50	149	72	42	77	26	87	127	101	9	29	93	41	53	64	117	37	122	65	83	81	79	..	2,072
St. Louis (Washington University)	Evaporation	.076	.142	.002	.046	.028	.027	.054	.000	.006	.108	.088	.064	.115	.096	.095	.160	.094	.021	.004	.132	.077	.022	.027	.016	.051	.186	*	.048	.061	.005	....	1.791
	Mean temperature	52	48	41	46	49	45	46	54	62	42	42	53	46	44	52	62	61	62	67	69	49	42	40	46	54	34	31	34	30	32	..	47.8
	Wind movement	46	71	30	33	69	70	51	30	35	108	42	40	51	48	63	126	110	25	32	79	79	109	77	37	31	87	44	49	46	47	..	1,765

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for November 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	63	55	54	59	56	52	58	62	73	43	56	66	52	63	73	76	62	67	79	68	45	37	38	57	60	36	41	40	28	34	..	55.1
	Minimum	35	44	26	26	46	33	31	43	48	33	22	31	34	30	31	54	41	40	38	59	44	33	33	31	30	25	19	19	20	19	..	38.9
Chillicothe §§	Maximum	64	54	55	58	44	50	59	62	69	44	57	68	55	63	73	74	62	76	77	69	43	35	38	58	52	38	40	42	28	35	..	54.7
	Minimum	35	46	23	23	42	27	31	44	47	30	28	38	33	29	32	54	39	35	35	58	37	32	32	29	32	23	14	22	16	18	..	32.8
Columbia	Maximum	64	57	54	59	54	55	56	55	75	43	54	65	54	61	72	73	60	72	80	74	66	40	39	58	66	38	43	45	33	39	..	56.8
	Minimum	40	34	29	42	40	36	46	49	40	30	29	39	37	38	50	54	48	45	63	63	40	36	35	34	30	25	21	33	24	25	..	38.3
Fayette	Maximum	62	60	52	58	52	53	54	53	74	57	54	66	58	60	72	73	71	69	80	71	68	40	36	55	65	46	40	45	36	36	..	57.2
	Minimum	44	41	24	38	39	29	42	46	49	31	25	33	32	29	44	52	43	42	56	55	38	33	32	29	37	23	12	34	19	23	..	35.8
Grant City	Maximum	58	51	52	58	55	46	52	50	63	42	58	66	58	62	69	74	68	65	78	65	43	35	44	55	49	31	40	41	29	33	..	53.0
	Minimum	34	30	22	40	33	24	43	43	41	25	25	34	32	31	48	52	33	31	55	35	34	30	31	42	26	19	15	26	8	15	..	31.9
Hannibal	Maximum	63	52	51	55	53	50	50	51	75	45	53	65	50	57	70	73	59	60	79	74	65	38	37	55	66	35	39	42	32	35	..	54.3
	Minimum	36	34	27	38	38	31	40	45	44	30	27	38	35	27	46	54	47	48	58	60	37	34	34	33	27	21	18	31	21	22	..	36.0
Kansas City Airport	Maximum	65	54	57	58	58	51	54	59	68	42	60	69	54	67	71	75	60	77	77	70	47	36	40	61	51	38	48	42	28	38	..	55.8
	Minimum	44	37	30	50	35	33	45	48	40	30	34	42	39	38	54	54	42	38	65	44	36	34	33	34	30	27	25	28	18	26	..	37.8
Kirksville	Maximum	64	50	55	57	54	44	55	51	67	63	53	65	59	62	71	74	71	56	78	72	67	35	35	57	55	40	37	42	33	32	..	55.1
	Minimum	33	37	24	36	39	27	38	41	41	31	28	38	34	27	47	58	40	37	52	56	35	31	31	31	40	20	17	32	17	18	..	34.5
Lawson	Maximum	62	55	55	55	55	52	54	54	62	44	56	62	52	52	72	72	68	67	79	68	50	38	38	58	62	35	41	42	33	36	..	54.3
	Minimum	32	40	26	41	34	28	40	43	43	28	29	38	38	39	49	58	39	40	56	50	38	31	32	30	30	23	15	32	13	20	..	35.2
Louisiana §§	Maximum	65	53	50	55	55	53	53	56	76	45	54	68	50	56	70	70	62	62	79	63	37	45	45	54	66	36	41	42	28	36	..	54.2
	Minimum	30	40	23	23	40	31	31	42	46	45	24	40	40	23	25	47	47	46	52	59	36	36	37	36	37	24	18	19	26	24	..	34.9
Macon §§	Maximum	63	55	53	58	52	49	57	58	69	44	54	65	52	59	72	74	60	64	79	67	43	36	38	56	60	34	39	42	28	33	..	53.8
	Minimum	33	40	25	26	43	29	29	42	45	34	29	30	34	28	29	52	44	42	47	56	42	32	33	31	32	22	18	20	17	18	..	33.4
Maryville	Maximum	59	50	50	58	54	43	51	50	62	42	56	65	60	61	68	72	66	64	76	72	40	33	39	53	49	31	38	39	30	33	..	52.1
	Minimum	36	35	28	40	35	26	39	43	42	24	25	34	30	31	48	60	34	37	54	40	32	30	30	27	30	20	17	30	6	15	..	32.6
Mexico §§	Maximum	65	58	60	59	56	55	54	61	77	47	55	67	54	61	72	73	62	64	80	77	47	40	40	58	67	39	40	45	31	38	..	56.7
	Minimum	36	39	25	28	42	30	32	45	48	33	28	32	34	30	30	53	47	43	43	59	44	38	33	33	34	23	20	21	23	23	..	35.0
Moberly	Maximum	64	63	52	60	52	51	54	63	73	43	53	65	54	60	71	73	61	65	79	70	44	36	37	56	61	35	40	42	27	35	..	54.6
	Miuimuu	35	41	29	30	44	31	31	43	47	34	31	32	36	33	33	50	43	41	42	59	44	34	34	31	31	23	17	20	21	16	..	34.5
Oregon	Maximum	61	52	55	61	56	45	54	50	66	42	60	70	62	66	70	74	65	65	80	71	42	34	39	59	54	36	43	42	33	35	..	54.7
	Minimum	41	41	30	41	35	27	40	45	41	25	30	30	32	37	52	61	40	40	54	39	33	30	30	32	32	24	23	32	10	20	..	34.9
St. Charles §§	Maximum	54	57	52	56	58	55	52	61	77	48	55	72	53	58	71	62	71	71	80	77	51	40	40	56	67	41	43	43	31	36	..	56.3
	Minimum	37	44	29	30	40	35	37	47	45	38	28	34	41	30	33	54	52	52	52	60	47	40	38	37	39	27	21	22	30	27	..	38.2
St. Joseph	Maximum	61	52	55	59	55	48	47	52	67	42	60	69	53	64	70	75	63	65	78	65	44	35	38	58	50	36	44	43	28	35	..	54.0
	Minimum	42	35	31	44	34	30	43	47	36	28	34	41	37	36	54	52	43	37	61	42	35	33	32	33	29	26	25	23	14	24	..	36.0
Trenton	Maximum	64	59	53	57	51	46	54	52	67	58	57	67	63	61	72	74	65	62	78	72	64	50	40	56	50	41	39	42	37	33	..	56.1
	Minimum	34	38	24	40	40	28	36	46	46	30	29	38	32	28	49	60	40	35	57	54	40	32	31	29	38	22	17	34	15	20	..	35.4
Unionville §§	Maximum	64	55	53	60	54	48	55	57	69	45	54	65	48	60	72	73	65	61	80	73	45	35	42	60	60	32	38	43	32	32	..	54.3
	Minimum	33	34	23	24	43	26	26	40	40	30	27	29	32	27	29	50	40	35	36	57	40	30	31	29	28	19	11	13	18	17	..	30.6
Warrenton	Maximum	66	59	51	58	55	53	53	51	76	73	52	67	59	58	71	69	69	71	79	76	65	62	37	55	70	58	40	42	35	37	..	58.9
	Minimum	33	36	28	38	43	32	42	46	49	35	25	38	36	28	44	49	49	45	49	45	41	36	33	34	41	23	16	35	24	25	..	36.6
Keokuk, Iowa	Maximum	60	47	51	53	53	48	47	49	69	40	50	65	46	54	70	72	63	61	79	67	43	36	37	56	60	31	41	46	29	32	..	51.8
	Minimum	38	36	28	37	40	32	40	42	36	30	30	42	31	29	51	55	43	42	61	42	34	33	35	36	24	19	17	28	20	26	..	35.2
Southwestern Division																																	
Clinton	Maximum	63	60	58	58	57	59	57	60	76	43	56	67	58	67	72	75	66	81	79	74	51	38	38	63	62	42	50	46	44	45	..	58.8
	Minimum	37	36	29	49	38	37	45	50	41	28	27	36	36	33	51	49	46	45	62	49	38	35	31	30	32	24	21	38	24	24	..	37.4
Eldon §§	Maximum	61	58	56	58	57	56	57	61	66	44	57	70	56	64	72	74	66	80	80	76	51	40	38	61	40	38	49	46	29	45	..	57.0
	Minimum	37	43	28	28	44	37	36	45	48	32	27	31	40	28	29	52	48	48	50	59	50	38	35	34	33	20	18	19	27	24	..	36.3
Harrisonville §§	Maximum	65	59	56	55	47	53	54	64	71	46	59	69	55	66	70	75	59	77	77	70	45	35	38	60	58	41	47	44	28	38	..	56.0
	Minimum	35	42	29	34	43	30	34	45	48	27	26	32	34	32	34	49	45	42	44	59	43	32	32	28	29	24	19	25	21	21	..	34.6
Jefferson City §§	Maximum	66	57	55	58	52	55	56	61	78	44	56	70	56	62	71	71	61	76	79	75	50	40	39	70	58	39	46	45	28	43	..	57.2
	Minimum	38	42	30	29	33	37	37	46	48	35	28	30	37	31	33	52	49	46	47	61	48	39	35	34	23	26	23	23	26	25	..	36.4
Joplin	Maximum	61	58	61	59	64	52	58	64	76	46	58	70	60	68	70	75	75	78	77	76	58	44	38	66	64	41	51	51	37	51	..	60.2
	Minimum	46	45	36	51	41	39	50	55	44	33	34	43	43	42	57	57	56	64	66	58	44	35	34	34	36	28	27	37	26	27	..	42.9
Lamar §§	Maximum	63	63	62	59	60	57	57	66	76	51	63	68	64	70	71	77	75	82	79	77	50	39	39	66	64	45	52	48	29	47	..	60.6
	Minimum	30	38	28	29	44	33	33	43	48	26	21	26	31	29	32	48	43	45	51	59	40	32	28	24	25	21	18	23	21	19	..	32.9
Lebanon §§	Maximum	63	56	58	53	57	57	58	61	76	45	56	69	59	60	70	70	71	75	77	75	55	40	37	62	69	45	55	41	30	42	..	58.2
	Minimum	32	40	25	26	44	35	34	45	50	30	23	28	37	23	31	39	51	50	57	57	50	37	31	30	29	23	18	18	27	21	..	34.7
Lexington §§	Maximum	65	57	58	58	44	52	56	54	70	45	59	67	57	66	72	75	60	71	78	70	44	36	37	60	56	39	44	41	28	38	..	55.2
	Minimum	37	44	29	32	43	31	33	43	48	29	29	33	36	31	33	56	45	43	44	59	43	33	33	32	33	25	22	27	18	18	..	35.4
Marshall	Maximum	60	56	54	59	54	52	55	63	74	67	55	67	65	65	70	75	73	72	79	76	71	40	40	59	59	48	46	45	37	36	..	59.1
	Minimum	34	37	27	42	41	32	44	48	48	30	30	48	36	34	49	64	47	38	62	62	40	32	33	32	40	22	22	34	29	20	..	38.6
Mountain Grove	Maximum	62	67	56	51	57	50	59	58	75	66	53	64	64	58	68	69	67	78	75	68	64	51	41	57	69	62	45	40	38	39	..	59.0
	Minimum	34	42	30	37	42	36	45	52	55	30	24	37	38	31	39	53	55	57	54	60	50	40	32	31	38	24	20	32	26	23	..	38.9
Neosho	Maximum	62	61	61	60	64	55	60	66	76	68	58	70	67	69	71	75	75	79	77	75	72	47	38	66	65	56	51	49	47	50	..	63.0
	Minimum	40	42	28	46	47	39	49	51	60	32	24	33	30	30	52	63	52	57	64	65	45	36	34	29	45	28	22	35	28	24	..	41.0
Nevada	Maximum	63	60	61	57	58	68	55	62	76	59	61	70	65	70	72	76	72	80	77	75	72	46	38	64	62	46	50	48	42	46	..	61.7
	Minimum	37	44	29	45	43	34	47	50	59	29	25	35	38	33	47	60	45	51	61	59	43	33	30	28	43	22	22	30	22	23	..	38.9
Sedalia	Maximum	64	61	55	60	53	55	55	55	75	70	55	65	63	64	72	74	73	77	78	75	71	43	37	59	62	49	50	46	38	42	..	59.9
	Minimum	39	42	27	40	40	35	43	47	50	29	28	36	32	32	48	59	45	41	61	61	41	34	32	31	42	24	20	37	21	23	..	38.0
Springfield	Maximum	61	55	55	51	57	49	57	63	76	44	55	68	60	60	68	74	72	77	75	75	64	46	36	59	67	39	46	43	38	40	..	57.7
	Minimum	36	37	32	45	39	37	47	55	41	29	25	31	36	34	46	56	54	59	58	60	46	33	33	30	32	26	20	35	24	25	..	38.8
Warrensburg	Maximum	64	61	57	59	56	54	55	55	74	55	58	67	66	65	71	74	71	78	79	72	71	42	37	59	60	41	47	46	39	40	..	59.1
	Minimum	38	42	28	42	37	33	43	48	51	28	27	38	36	32	32	59	45	41	61	60	40	32	32	29	39	24	22	38	21	23	..	37.4
Southeastern Division																																	
Arcadia §§	Maximum	63	52	57	57	55	54	57	59	76	48	60	70	62	58	68	70	69	76	78	70	67	47	42	60	68	44	..	..	..	35	..	°60.1
	Minimum	30	40	25	25	38	36	36	47	49	36	22	23	40	23	23	35	55	56	59	55	59	44	34	34	37	26	17	17	33	25	..	36.0
Birch Tree (near)	Maximum	63	58	53	45	57	57	60	57	77	72	57	69	62	59	69	69	68	79	79	72	63	59	47	70	69	43	46	41	40	39	..	60.0
	Minimum	28	37	25	30	41	38	44	48	54	32	18	29	28	25	37	52	54	55	56	58	57	44	34	34	33	25	33	30	27	24	..	37.7
Caruthersville §§	Maximum	63	60	55	65	61	54	58	65	78	54	55	65	63	59	69	75	77	72	80	70	77	60	44	55	69	48	45	52	44	45	..	61.2
	Minimum	35	36	37	36	37	46	46	51	52	44	28	28	31	32	35	40	57	60	58	58	60	58	38	38	38	36	28	27	33	26	..	41.0
Crystal City	Maximum	65	56	53	61	57	51	55	53	78	70	57	72	57	58	70	72	70	75	82	77	67	49	41	57	67	50	47	43	38	38	..	59.5
	Minimum	29	43	23	31	46	42	43	47	51	31	20	28	33	21	41	55	55	55	50	55	49	41	37	37	31	27	16	35	30	27	..	37.6
Doniphan	Maximum	65	60	52	57	60	59	57	62	79	75	63	71	66	60	70	76	73	80	80	73	71	60	51	61	71	68	47	44	43	43	..	63.2
	Minimum	29	39	27	30	48	42	47	52	57	40	20	25	29	24	28	55	58	58	54	60	57	49	39	39	33	32	17	30	33	30	..	39.4
Farmington	Maximum	63	56	54	58	55	55	58	56	76	71	56	69	63	58	67	70	68	75	77	71	66	49	42	59	67	62	45	39	39	36	..	59.3
	Minimum	34	43	28	35	47	36	47	49	52	35	25	34	42	26	29	58	57	60	57	59	48	41	36	36	38	26	20	33	28	26	..	39.5
Jackson	Maximum	61	60	52	60	60	55	56	56	76	74	58	65	62	55	66	72	69	75	78	76	68	56	50	55	65	63	43	43	41	37	..	60.2
	Minimum	32	44	30	33	48	40	47	52	55	40	23	39	39	25	38	52	59	60	59	61	55	48	39	37	39	31	21	33	32	29	..	41.3
Poplar Bluff	Maximum	57	65	58	61	57	57	57	59	79	74	64	69	68	62	70	74	71	74	80	74	68	60	54	61	71	67	48	51	44	41	..	63.2
	Minimum	36	34	31	30	42	44	42	47	51	38	26	31	33	29	35	53	59	60	55	62	57	49	39	39	37	33	22	31	29	31	..	40.2
Rolla	Maximum	63	54	55	54	56	55	55	57	76	43	54	69	56	60	69	69	70	78	77	74	66	45	37	58	69	38	45	44	36	40	..	57.4
	Minimum	38	33	31	37	38	35	45	48	42	28	25	39	35	30	45	56	53	59	56	59	43	35	33	33	31	23	19	33	23	23	..	37.6
St. Louis	Maximum	65	52	49	56	58	56	54	54	76	52	53	70	54	55	68	70	69	72	80	76	66	45	41	55	67	39	43	43	36	38	..	57.1
	Minimum	41	40	36	36	41	36	46	47	52	36	31	43	39	33	46	56	59	55	60	63	45	39	36	36	34	27	23	35	26	28	..	40.8
Salem	Maximum	65	54	58	57	57	54	57	56	77	68	56	70	62	60	69	70	70	79	78	75	66	48	42	60	69	58	45	40	37	38	..	59.8
	Minimum	34	43	25	38	44	37	47	49	56	32	22	32	37	26	42	54	55	58	56	60	48	40	34	34	40	25	17	33	26	25	..	39.0
Sikeston §§	Maximum	64	53	54	64	57	53	57	61	79	54	57	67	62	60	70	74	73	75	81	71	70	59	44	58	68	50	46	46	42	42	..	60.4
	Minimum	35	45	31	31	35	42	42	51	55	43	25	26	34	29	36	48	56	59	58	61	51	41	39	40	33	24	24	31	29	40	..	40.4
Union	Maximum	68	63	56	60	60	55	54	54	79	75	58	74	65	62	72	72	71	78	81	78	71	48	39	61	72	63	52	44	38	39	..	62.1
	Minimum	30	42	26	35	45	33	43	47	51	35	23	30	36	23	43	58	52	51	50	61	46	38	36	36	34	26	19	35	26	26	..	37.9
West Plains	Maximum	60	59	56	48	58	47	63	60	77	51	58	69	63	58	68	70	72	78	78	67	67	50	40	59	68	42	45	41	42	40	..	58.5
	Minimum	30	33	27	34	43	40	44	53	50	26	21	28	33	25	31	54	57	53	47	59	50	38	35	33	31	27	18	32	27	25	..	36.8
Cairo, Ill.	Maximum	62	53	52	62	58	56	58	60	77	66	53	63	59	55	67	72	74	72	78	71	69	57	48	52	66	52	42	50	46	44	..	59.8
	Minimum	39	39	37	38	50	44	49	55	57	37	31	37	40	34	44	54	60	64	61	65	53	48	40	38	43	34	28	35	31	30	..	43.8

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 12-31-42—1050.

.05 Nat. Hist Lib.
MS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

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GENERAL SUMMARY

December 1942 was a cold, wet, cloudy, and disagreeable month with an unusual amount of snow, and severe flood conditions in streams and rivers of the eastern half of the State the last four days. Frequent and erratic changes in temperature and weather conditions made the month unfavorable for outdoor activities and very little farm work, other than seasonal chores, was accomplished.

The month opened with a cold wave that sent temperatures tumbling to near zero in northern portions, to the low twenties in extreme southern portions on the morning of the 2d. This cold period continued until the 9th when there was a temporary moderation for three days, after which another cold period began and lasted a couple of days. From the 14th to the 22d, the average daily temperature alternated between about 10° above and about 10° below normal. On the 22d a warm period set in which continued to the close of the month. The highest temperatures for the month occurred quite generally on the 26th when afternoon readings ranged from the 50's to the middle 70's. All divisions of the State averaged colder than normal but the deficiency was less in the Southwestern Division than elsewhere, and a few stations in this division averaged warmer than normal.

Precipitation averaged more than normal in each of the three divisions of the State and occurred at frequent intervals, which kept the ground muddy during most of the month, except when it was frozen. A number of stations in the extreme southeastern portion of the State received less than normal precipitation for the month. The outstanding feature was the heavy rains over the eastern half of the State on the 26-27th which amounted to three and four inches and at one station as much as 5.86 inches. This heavy rainfall resulted in unusually high water and flood conditions in rivers and streams in the eastern half of the State. There were a few drownings as a result of the flood waters but the monetary loss was considerably lessened because of the time of year the floods occurred. At most stations crest stages were the highest of record for December.

Another outstanding feature of the month's precipitation was the unusually large monthly totals of snowfall which amounted to as much as 16.5 inches at one station in the Northern Division. Only three Decembers in the 53 years that records have been kept, had more snow than the current month. These were in 1909, 1915, and 1918, with averages of 7.7 inches, 7.8 inches, and 7.8 inches respectively, as compared to 7.4 inches for this December. Most of the snow this month fell on the 5-6th with lesser amounts on the 1st-2d, 11th-12th, and intermittent light falls thereafter.

Sleet and glaze occurred on several days during the month which hindered traffic and transportation schedules but there was no serious damage due to these phenomena to communication and power lines and poles. Fog was also prevalent many days during December and was particularly heavy and quite general on the 25-26th.

The snow covering the first part of the month afforded protection to the winter wheat crop in northern and central portions and the crop came through in good shape except where inundated by flood waters in the lowlands in the eastern half of the State.

Very little progress was made in getting corn and other feed out of fields because of muddy conditions but much of this work had already been done. Feeding of livestock was hampered by mud and wet weather but ample supplies of feed were available.

(Continued on page 69)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.11*	30 61*	20	29.55*	1	7.5	23	nw.	1	89*	76*	82*	48
Kan. C. Airport	30.12	30.65	20	29.62	1	9.9	30	nw.	1	84	73	77	43
St. Joseph	30.13*	30.66*	20	29.61*	1	8.4	27	nw.	1	92*	77*	86*	30
St. Louis	30.12*	30.61*	20	29.56*	1	11.3	30	sw.	17	81	72	72	41
Springfield	30.09	30.59	20	29.70	27	11.1	32	nw.	1	88	72	78	33
Cairo, Ill.	30.12§	30.57	20	29.50	1	8.8	31	sw.	17	86	76	..	28
.....	.....	.....	..	.....	..	....	..	.....	..	..	..	..	..

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	35.9	70	0	2.43	1.88	3.03	2.39	....	6	..	..	..
1889	46.8	80	2	1.09	0.60	0.85	1.82	0.1	3	..	..	..
1890	36.0	76	− 3	1.18	0.82	1.14	1.57	4.6	3	..	..	..
1891	39.8	72	− 1	1.88	1.91	1.67	2.05	....	6	..	..	..
1892	29.4	75	−22	2.50	1.69	2.76	3.04	4.8	6	8	7	16
1893	35.2	76	− 7	0.97	0.80	0.67	1.44	2.7	5	11	11	9
1894	36.7	75	− 7	2.41	1.19	2.33	3.70	1.3	5	14	8	9
1895	34.3	69	− 8	6.40	5.12	8.57	5.50	3.4	8	9	8	14
1896	38.6	79	− 5	0 92	0.84	1.17	0.75	T..	3	13	8	10
1897	29.3	74	−14	3.03	1.92	2.98	4.19	6.3	7	8	8	15
1898	28.7	74	−20	1.65	1.62	1.84	1.48	5.1	5	17	6	8
1899	30.4	75	−13	2.22	1.90	2.02	2.74	6.6	9	12	9	10
1900	35.6	68	− 3	0.79	0.47	0.55	1.35	0.6	4	14	8	9
1901	28.5	71	−29	3.20	2.26	2.98	4.35	6.9	8	11	7	13
1902	30.7	68	− 7	3.32	2.02	2.76	5.18	3.1	8	10	4	17
1903	30.2	65	−11	1.70	1 05	1.56	2.49	2.3	5	16	7	8
1904	32.9	75	−10	1.55	1.56	1.24	1.84	6.0	5	16	7	8
1905	33.3	66	− 2	1.71	0.79	1.44	2.89	1.7	4	18	6	7
1906	36.1	73	0	2.52	1.67	1.85	4.05	0.6	8	8	6	17
1907	37.7	76	3	1.75	1.22	1.69	2.34	3.7	7	11	7	13
1908	38.4	80	− 4	0.78	0.54	0.94	0.86	T.	3	16	7	8
1909	24.9	76	−17	2.87	2.82	2.80	3.00	7.7	8	12	6	13
1910	31.2	67	− 5	1.49	0.94	1.14	2.40	2.4	4	16	5	10
1911	36.7	74	−11	2.85	2.74	2.56	3.26	5.1	7	13	6	12
1912	36.5	72	2	0.62	0.54	0.49	0.82	0.6	3	19	5	7
1913	38.3	74	− 3	2.26	2.11	2.84	1.83	6.6	7	9	4	18
1914	26.8	68	−18	2.51	1.69	2.20	3.65	6.6	9	7	5	19
1915	34.7	68	−13	2.99	1.48	2.45	5.03	7.8	6	12	6	13
1916	31.3	82	−29	1.92	0.78	1.54	3.44	4.4	6	15	6	10
1917	25.5	82	−23	0.76	0.41	0.75	1.13	7.3	5	11	7	13
1918	40.0	83	−12	3.23	2.27	2.81	4.62	7.8	7	13	6	12
1919	28.5	74	−22	0.72	0.41	0.66	1.08	0.7	3	12	4	15
1920	35.6	77	−10	2.12	1.25	1.49	3.61	2.3	5	13	7	11
1921	36.9	74	− 8	1.97	1.26	2.00	2.65	1.9	6	13	7	11
1922	36.3	75	− 6	2.27	0.75	1.71	4.35	0.2	6	15	6	10
1923	41.0	82	− 4	3.07	1.63	2.96	4.62	0.8	8	11	6	14
1924	27.7	80	−28	3.48	2.94	3.45	4.06	4.6	7	13	6	12
1925	31.6	69	−10	1.43	1.53	1.27	1.50	4.8	4	13	7	11
1926	32.6	75	−12	2.16	1.17	2.12	3.20	2.4	6	11	5	15
1927	29.9	74	−11	2.81	1.64	2.55	4.23	2.9	6	15	5	11
1928	36.2	81	0	2.29	1.37	2.49	3.00	1.4	5	14	6	11
1929	35.2	76	− 9	1.74	0.67	1.11	3.43	3.7	6	13	5	13
1930	34.2	70	2	1.24	0.79	1.35	1.57	1.9	5	15	6	10
1931	42.7	80	11	2.71	2.53	1.51	4.10	1.7	8	11	6	14
1932	31.2	77	−21	4.74	3.18	4.98	6.07	5.7	7	12	6	13
1933	39.1	78	− 7	1.92	1.52	1.67	2.56	0.4	5	12	7	12
1934	31.6	69	− 3	1.80	0.94	1.72	2.74	5.0	7	10	6	15
1935	30.7	66	−11	1.20	0.85	1.03	1.73	2.8	6	11	7	13
1936	38.4	69	− 7	2.83	2.19	2.71	3.60	2.2	7	12	7	12
1937	32.0	66	− 2	2.24	1.50	1.90	3.32	0.6	9	8	6	17
1938	35.9	72	2	1.83	1.66	1.52	2.32	0.2	6	15	7	9
1939	38.8	80	− 5	1.45	1.11	1.46	1.79	6.3	6	15	7	9
1940	38.6	78	− 2	2.59	1.77	2.33	3.66	1.7	8	10	5	16
1941	39.6	72	3	2.21	1.92	1.94	2.76	2.1	6	11	7	13
1942	32.7	76	− 4	4.01	3.38	4.32	4.34	7.4	10	8	7	16
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	34.3	83	−29	2.19	1.56	2.07	2.94	3.4	6	12	7	12

Natural History Library

Climatological Data for December 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	1	26.9	.....	53	23	0	13	13	2.64	+1.77	1.17	26	10.5	9	15	4	12	ne.	Curtis E. Grace
Bethany	Harrison	916	47	26.8	− 3.3	51	23	0	7	49	2.08	+0.93	0.88	26	11.5	5	14	4	13	nw.	A. S. Cumming
Brookfield	Linn	767	1	28.8	.....	52	23	4	2	1	2.83	.....	1.80	26-27	8.2	4	12	7	12	nw.	E. W. Patrick
Brunswick	Chariton	652	61	28.6	− 2.0	53	17†	1	13	63	2.78	+1.11	1.13	27	13.0	11	9	1	21	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	4	28.0	.....	52	23	0	3	12	3.12	+1.49	1.78	27	5.7	10	5	9	17	nw.	Lockmaster
Chillicothe	Livingston	779	33	27.6	− 2.3	52	23	5	2†	36	3.20	+1.78	1.77	27	9.3	11	16	1	14	nw.	Wm. J. Olcnhouse
Clifton Hill	Randolph	731	43	30.0	− 1.0	58	26	3	13	33	3 23	+1.51	1.03	26	11.0	13	10	6	15	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	52	31.3	− 2.7	69	26	6	2	52	4.51	+2.65	2.64	26-27	7.6	11	8	9	14	n.	U. S. Weather Bureau
Conception	Nodaway	980	53	26.2	− 3.0	50	23	1	2	58	2.38	+1.50	0.98	26	10.3	8	3	15	13	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	22	28.6	− 1.8	51	23	1	13	39	2.93	+1.81	1.67	26	8.9	8	4	10	17	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	11	31.2	− 3.2	65	26†	5	8	11	3.46	+1 25	2.10	27	4.8	7	5	14	12	nw.	John Dowell
Fayette	Howard	760	62	30.0	− 1.1	66	26	3	13	59	2.84	+1.18	1.09	27	13.0	11	10	6	15	nw.	Irvin E. Schnell
Fulton	Callaway	818	54	31.6	− 1.9	68	26	4	2†	50	6 36	+4.35	3.69	26-27	10.5	9	9	9	13	s.	Robert T. Wise
Grant City	Worth	1,134	38	25.6	− 2.4	50	23	− 1	6	50	2.01	+0.95	0.94	26	10.3	7	8	5	18	ne.	Howard Rybolt
Hannibal	Marion	759	50	27.5	− 4.0	66	26	2	2	58	4.74	+3.20	2 69	26-27	5.8	9	7	11	13	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	53	30.9	− 1.6	55	17	9	2	53	2.43	+1.10	1.21	26-27	10.0	8	8	8	15	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	4	31.0	.....	55	17	9	2	4	2.41	.....	1.10	26-27	9.2	7	3	6	22	nw.	University of Kansas City
Kidder	Caldwell	1,020	50	27.6	− 1.6	52	23	4	2	54	3.50	+2.23	1.78	27	9.0	9	11	6	14	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	53	26.8	− 2.8	50	23	0	13	60	3.57	+1.81	2.50	26	7.0	7	9	9	13	nw	Howard Coons
Lawson	Ray	1,070	4	28.0	.....	59	17	5	2†	4	4.48	.....	2.73	26	11.5	8	8	3	20	nw.	Frank G. Gstrein
Louisiana	Pike	469	48	28.6	− 3.2	68	26	2	8	61	3.78	+1.88	2.50	27	7.1	7	1	12	18	n.	Stark Bro's Nurseries
Macon	Macon	875	43	26.8	− 3.3	52	23	3	2†	49	2.76	+1.12	1.38	26-27	9.0	10	2	8	21	ne.	John W. Atwell
Maryville	Nodaway	1,169	52	25.9	− 0.9	50	23	2	2	48	2.74	+1.66	1.38	26	12.8	7	13	2	16	nw.	R. B. Montgomery
Memphis	Scotland	787	3	23.8	.....	53	23	− 4	8†	12	3.10	+1.82	1.93	27	10.2	8	7	6	18	sw.	John W. Alexander
Mexico	Audrain	800	53	29.1	− 2.7	69	26	2	8	64	5.45	+3.54	3.00	27	11.9	13	5	4	22	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	5	28.0	.....	65	26	6	2†	5	2.72	.....	1.44	26-27	7.9	12	2	8	21	sw.	Moberly Water Dept.
Oregon	Holt	1,048	86	28.0	− 0.7	50	23	4	2	86	3.09	+2.05	1.14	26	16.5	10	13	3	15	ne.	Miss Mina Wright
St. Charles	St. Charles	520	54	31.1	− 3.8	70	26	6	2	64	3.71	+1.92	2.30	27	11.0	12	7	11	13	nw.	Martin L. Comann
St. Joseph	Buchanan	957	32	28.3	− 1.3	52	23	7	2	70	2.50	+1.21	1.31	26	9.4	6	10	5	16	w.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	4	30.2	.....	67	26	5	2	4	3.47	.....	2.15	7	5.8	7	7[a]	19[a]	4[a]	nw.	Lockmaster
Shelbina	Shelby	779	1	29.0	.....	63	26	1	8†	49	3.17	+1.63	1.22	27	8.7	10	16	6	9	w.	Guyman Hatcher
Steffenville	Lewis	650	44	27.3	− 3.3	51	23	1	8	49	3.00	+1.31	1 58	26-27	6.7	10	11	10	10	nw.	Samuel D. Gross
Tarkio	Atchison	916	39	24.5	− 1.9	49	24	2	6	48	2.38	+1.42	0.83	26	13.0	8	2	11	18	ne.	Albert Volker
Trenton	Grundy	822	46	28.6	− 1.0	51	23	4	2	47	4.30	+2.89	3.08	26	8.0	5	7	10	14	n.	W. H. Estes
Unionville	Putnam	1,062	49	24.8	− 2.8	52	23	− 3	14	49	3.73	+2.02	2.17	27	10.8	8	7	9	15	sw.	C. D. Wilson
Warrenton	Warren	816	60	31.6	− 0.8	67	26†	6	13	52	5.15	+3.07	3.24	27	12.7	6	8	11	12	nw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	70	25.7	− 3.9	51	23	0	13	70	3 11	+1.66	2.32	26-27	11.5	10	5	2	24	sw.	U.S. Weather Bureau
Division means and extremes		.....	..	**28.2**	**− 2.3**	**70**	**26**	**− 4**	**8†**	..	**3.38**	**+1 82**	**3.69**	**26-27**	**9.7**	**9**	**8**	**8**	**15**	**nw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	38	38.8[a]	+ 1.3	67	25	19	4†	43	3.35	+1.00	2.42	26	2.0	4	9[a]	6[a]	15[a]	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	47	33.8	− 0.8	69	24	12	2	50	3.40	+1.81	1.42	26-27	9.2	12	15	2	14	ne.	Rolla Brown
Bolivar	Polk	1,071	39	36.0	+ 0.4	65	26	13	2	47	4.65	+2.31	1.44	26	3.5	11	7	12	12	sw.	Southwest Baptist College
Boonville	Cooper	650	4	29.0	.....	69	26	6	2†	65	3.10	+1.40	1.31	27	7.9	14	5	1	25	sw.	Boonville Water Dept.
Carthage	Jasper	962	8	38.8	.....	68	26	17	2	18	3.46	.....	1.84	26-27	5.0¶	9	8	10	13	ne.	Carthage W. and E. Plant
Clinton	Henry	786	49	33.4	− 1.3	68	26	12	3	55	3.77	+1.90	1.44	26-27	10.4	13	7	5	19	e.	U. S. Weather Bureau
Eldon	Miller	934	47	31.8	− 2.5	68	26	8	3	43	5.01	+3.25	2.33	27	6.1¶	11	10	10	11	ne.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	1	35.8	.....	68	26	10	2	1	5.32	.....	2.25	27	8.4	10	5	13	13	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	64	30.4	− 0.9	57	26	9	3	67	2.57	+1.12	1.15	27	9.5	12	13	1	17	ne.	John H. Patterson
Jefferson City	Cole	557	52	31.3	− 1.6	67	26	8	2†	60	6.45	+4.51	3.80	27	9.8	11	5	2	24	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	20	39.2	0.0	70	26	20	2	37	3.12	+1.23	2.18	26	....	5	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	11	34.0	− 3.3	69	26	11	2	11	5.60	+2.70	3.25	27	7.5	12	3	6	22	ne.	W. S. Frame
Lamar	Barton	980	54	33.6	− 1.6	68	26	12	2†	61	4.53	+2.65	2.75	27	3 5¶	8	8	7	16	ne.	Jesse A. Mann
Lebanon	Laclede	1,265	54	34.0	− 0.8	67	26	10	3	55	5 96	+3 68	3.55	27	5.7	9	6	3	22	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	57	29.7	− 2.3	56	17	8	2	58	3.52	+1.93	1.56	27	9.7	11	13	4	14	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	36	37.4	+ 1.3	65	25†	16	2	46	3.82	+1 68	1.26	26	4.5	9	16	2	13	se.	Hubert A. Nieman
Marshall	Saline	779	55	31 8	− 0.1	65	26	7	2†	52	2.34	+0.59	0 68	26†	6.0	7	10	6	15	nw.	Chamber of Commerce
Mountain Grove	Wright	1,463	41	35.8	+ 1.1	65	26	14	2	45	5.32	+2.91	2.75	27	5.5	9	5	11	15	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	30	36.8	+ 1.3	65	25†	15	2	42	4.47	+1.93	2.67	26-27	5.5¶	8	8	6	17	nw.	G. H. Boswell
Neosho	Newton	1,011	55	39.1	+ 2.0	64	18	20	2†	59	3.59	+1.31	1.13	27	4.0¶	9	9	4	18	se.	U. S. Fisheries Station
Nevada	Vernon	862	49	35.7	+ 0.4	67	26	14	2	50	3.47	+1.72	1.61	26-27	7.7	10	13	4	14	ne.	Henry Kraft
Ozark Beach	Taney	700	2	38.5	.....	69	17	22	4	17	5.33	+2.58	3.25	27	2.0¶	10	2	2	27	n.	V. Smith
Sedalia	Pettis	910	29	33.3	− 0.6	67	26	7	2	31	3.18	+1.90	1.16	26	13 2	11	11	6	14	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	41	38.0[e]	+ 0.7	70	25	19	2†	39	4.17	+1.97	1.88	27	T.	6	12[e]	4[e]	12[e]	e.	Floyd E. Fawver
Seymour (near)	Webster	1,642	36	35.2	− 0.2	63	26	14	2	36	5.07	+2.81	2.50	27	3.8	7	7	6	18	nw.	A. L. Hailey
Springfield	Greene	1,301	54	35.7	+ 0.2	65	26	15	2	54	5.75	+3.44	3.50	26-27	6.4	13	5	7	19	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	1	32.0	.....	65	26	4	13	1	3.25	.....	1.10	26	12.5	12	7	8	16	ne.	H. F. Nelson
Warrensburg	Johnson	878	55	32.1	− 1.3	66	26	8	2	62	2.08	+0.54	0.83	5	9.5	8	6	2	23	ne.	E. A. Markey
Warsaw	Benton	687	41	33.6	− 2.1	60	17	9	2	47	3.56	+1.44	1.10	27	8.0	11	6	12	13	w.	Everett Martin
Wasola	Ozark	1,294	1	36.9	.....	64	17†	18	2†	2	6.62	.....	3.21	27	5.0	11	12	5	14	w.	A. W. Pinckney
Division means and extremes		.....	..	**34.7**	**− 0.4**	**70**	**25†**	**4**	**13**	..	**4.32**	**+2.25**	**3 82**	**27**	**6.6**	**10**	**8**	**6**	**17**	**ne.**	
Southeastern Division																					
Advance	Stoddard	354	5	35.2	.....	76	26	10	4	5	1.72	.....	....	.....	4.4	13	5	4	22	n.	U. S. Weather Bureau
Arcadia	Iron	926	61	33.0	− 1.3	70	26	7	4	64	4.76	+1.91	2.53	27	6.6	11	8	6	17	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	47	35.2	− 1.2	69	26	13	13†	48	5.45	+2.70	2.70	27	5.0	8	6	4	21	n.	V. H. Kirkendall
Bragg City	Pemiscot	261	0	39.8	.....	75	25	17	4	11	2.91	−1.19	0.93	27	0.4¶	9	7	10	14	n.	Paul B. Hutchens
Campbell	Dunklin	314	16	39.4	+ 1.0	75	26	16	4	16	3.18	−0.77	0.86	27	1.4	10	5	13	13	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	46	38.0	− 2.9	75	26	17	4	50	3.23	−1.31	0.55	22	0.4	12	4	6	21	s.	Victor T. Malloure
Crystal City	Jefferson	420	8	32.2	.....	73	26	4	13	8	5.22	.....	2 86	27	9.0	12	4	4	23	e.	Frank Magre
Doniphan	Ripley	344	38	37.4	− 0.4	75	26	13	4	38	3.65	−0.07	1.52	27	3.8	10	15	4	12	nw.	Boyce Lackey
Farmington	St. Francois	896	31	34.7	− 2.0	70	26	9	2	45	3.84	+1.04	1.95	27	7.3	11	6	6	19	s.	F. M. Karsch
Goodland	Iron	1,000	49	34.0	− 0.8	69	26	6	4	49	4.72	+2.27	2.90	27	7.0	9	10	3	18	n.	F. M. Adams
Greenville	Wayne	381	33	36.2[b]	0.0	73	26	10	4	35	4.44	+1.08	2.75	27	6.0	9	5[b]	6[b]	18[b]	n.	Beuford Shoemake
Jackson	Cape Girardeau	428	51	35.7	− 0.9	72	26	7	4	52	2.76	−0.67	1.21	27	5.7	11	2	5	24	n.	John G. Putz
Jefferson Barracks	St. Louis	465	36	34.7	+ 0.1	71	26	9	3	28	5.07	+2.90	3.56	27	8.1	9	7	10	14	n.	U. S. Army Medical Corps
Koshkonong	Oregon	958	41	37.8	− 0.6	71	26	17	14	42	5.50	+2.02	3.00	27	4.5¶	8	12	4	15	se.	Charles W. Pease

Continued on next page

Climatological Data for December 1942 (Continued from preceding page)

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.: Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Precipitation, in inches: Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Number of days: With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	5	34.8	.....	68	26	5	4	5	6.08	.....	3.07	27	6.5	12	6	8	17	n.	U. S. Forestry Service
Marble Hill	Bollinger	470	47	37.1	+ 0.4	73	26	6	4	49	3.23	−0.14	1.01	27	6 5	11	5	7	19	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	37	38.1	+ 0.3	75	26	15	4	38	2.61	−1.38	1.30	27	4.0	7	6	14	11	w.	B. R. Wheetley
Rolla	Phelps	1,202	42	31.6	− 3.0	68	26	6	2	58	5.86	+3.68	2.49	26-27	8.3	10	4	6	21	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	105	33.3	− 1.6	71	26	7	2	105	4.61	+2.40	2.96	26-27	10.2	13	6	9	16	nw.	**Section Center**
St. Louis Airport	St. Louis	556	5	31.2	− 2.2	70	26	6	2	11	3.24	+1.51	2.02	26-27	8.8	11	5	9	17	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	30	33.0	− 2.1	71	26	6	2	30	4.45	+2.11	2.94	26-27	12.7	12	9	3	19	w.	St. Louis University
Salem	Dent	1,173	38	34.7	− 0.7	68	26	10	4	41	8.50	+5.96	5.86	26-27	7.0	9	6	4	21	n.	E. E. Martin
Sikeston	Scott	318	35	36.3	− 1.4	76	26	14	4	45	2.64	−1.30	0.78	27	1.6	16	2	7	22	ne.	Mrs. Hazelle P. Young
Union	Franklin	520	4	32.2	.....	71	26	4	8	25	5.85	+2.64	3.58	27	9.2	10	14	1	16	ne.	Robert Mueller
Wappapello Dam	Butler	475	3	36.2	.....	74	26	17	14	3	2.98	.....	1.16	27	4.8	12	5	9	17	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	1	....	.....	..	..	..	..	2	....	.....	....	.....	....	..	..	..	..	.....	E. A. Mohrman
West Plains	Howell	1,005	5	35.5	.....	69	26	17	12‡	5	6.07	.....	....	.....	4.5	10	5	5	21	nw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	1	34.8	.....	68	26	15	21	35	6.34	+3.54	3.73	26-27	7.0	10	6	6	19	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	70	37.4	− 0.4	74	26	17	4	71	2.18	−1.22	0.51	26-27	2.4	15	5	5	21	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**35.3**	**− 1.0**	**76**	**26†**	**4**	**8†**	..	**4.34**	**+1.40**	**5.86**	**26-27**	**5.8**	**11**	**7**	**6**	**18**	**n.**	
State means	**and extremes**	.....	..	**32.7**	**1.6**	**76**	**26†**	**− 4**	**8†**	..	**4.01**	**+1.82**	**5 86**	**26-27**	**7.4**	**10**	**8**	**7**	**16**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

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Alternate thawing and freezing also aided in keeping the ground and fields too muddy to permit much grazing or work in fields. Auction sales of livestock and farm equipment were unusually numerous.—M. R. W.

TEMPERATURE

The monthly mean for the State, 95 stations reporting, was 32.7°, or 1.6° colder than normal. The highest monthly mean was 39.8° at Bragg City, and the lowest monthly mean was 23.8° at Memphis. The highest recorded was 76° at Advance on the 26th and at Sikeston on the 27th, and the lowest was 4° below zero at Memphis on the 8th and 9th.

PRECIPITATION

The average for the State, 157 stations reporting, was 4.01 inches, or 1.82 inches more than normal. The greatest local monthly amount was 8.50 inches at Salem, and the least local monthly amount was 1.72 inches at Cape Girardeau and Advance. The greatest amount in any twenty-four hours was 5.86 inches at Salem on the 26–27th. The average number of days with 0.01 inch or more was 10.

Snowfall averaged 7.4 inches, or 4.0 inches more than normal. The greatest monthly amount was 16.5 inches at Oregon.

MISCELLANEOUS PHENOMENA

Floods.—In Black River 28th to 31st. In Bourbeuse River 28th to 31st. In Gasconade River 27th to 31st. In Grand River 27th to 31st. In Meramec River 27th and continued into January. In Missouri River 28th and continued into January. In Mississippi River 27th and continued into January. In Osage River 28th and continued into January. In St. Francis River 30th and continued into January.

Fogs.—Dense, 5th, 6th, 7th, 8th, 11th, 12th, 14th, 15th, 21st, 22d, 23d, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st.

Glaze.—4th, 5th, 6th, 9th, 14th, 15th, 19th, 20th, 21st, 22d, 27th, 28th, 29th, 30th.

Hail.—Light, 26th at Sweet Springs.

Halos.—Solar, 2d, 4th, 9th, 21st, 23d, 26th; lunar, 15th, 18th, 25th, 26th.

Sleet.—3d, 5th, 9th, 10th, 11th, 12th, 13th, 15th, 19th, 20th, 21st, 22d, 27th, 28th, 29th.

Thunderstorms.—Local, 15th, 25th, 27th, 28th; more or less general, 26th.

Windstorms.—No damaging winds reported.

Daily Precipitation for December 1942

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand	.02	T.			.60	T.					.20	.08							.05	T.	.10	.17				1.17	.25					2.64
Amity[2]	do	T.	T.			.12	.73			T.	T.	T.	.15				.03			.04	.10	T.	.25				.14	2.06	.40	T.			4.02
Bethany	do	T.	T.			.70						.10								T.			.35				.88	.05					2.08
Bowling Green[2]	Mississippi						.32														.25		.15				2.40	*	.73				3.85
Brookfield	Grand		T			.70														T.	T.	T.	.33				1.55	.25		T.			2.83
Brunswick[2]	do		.07			.40	.30						.15				.02			.08	.06		.38				.11	1.13	.08	T.			2.78
Canton, Lock No. 20[2]	Mississippi	.14	.02				.23			.02	T.						T.	.01			.08		.22			T.	.48	1.78	T.	.14			3.12
Centralia[2]	do					.35	.27						.15								.17		.25					2.07	.55	.44			4.25
Chillicothe[2] (A)	Grand		.02		.15	.50							.05							.01	.01	*	.51				.16	1.77	T.	.02			3.20
Clifton Hill	Charitou					.70							.10			.15				.12	.02	.13	.23				1.03	.54	.07	.12	.02		3.23
Columbia [1‡]	Missouri	.06		T.		.51			T.		T.	.01	.10			.04				.33	T	.25	.04				2.18	.46	.53	T.	T.		4.51
Conception	do	T.				.43				T.	.04	.06	.07							T.	T.	.06	.23				.98	.51					2.38
Edgerton	do	.11				.40							.07			T.				.08		.10	.31				1.67	.19					2.93
Edina[2]	Mississippi	.08	T.				.50				T.					T.	T.	T.			T.		.24				.19	1.06		.08			2 15
Elsberry	do					.26							.13			.20				.14			.22					2.10	.41				3.46
Farber[2]	do		*			*	.60						.03			.04					.27	.08	.25				*	*	2.89	.48			4.64
Fayette	Missouri	T.	.04			.53						T.	.15			.04				.16		.06	.16				.40	1.09	.18	.03			2.84
Fulton	do	T.	*	T.		.75							.14			.04				.52		T.	.29			T.	1.70	1.99	.93	T.	T.		6.86
Gallatin[2]	Grand		.01			.15	.35						.08							T.	T.		.36				.53	1.81	.14				3.43
Grant City	do	T.	T.			.41				T.		.07								T.	T.	.11	.21				.94	.27	T.				2.01
Hannibal[3] (A)	Mississippi	.06				.30					T.	.03				.01				1.15		.20				1.65	1.04	.30				4.74
Hermann[2]	Missouri		.05		.01	.03	.35						.10				.06			.01	.34		.34					2.58	.09	1.30	.02		5.28
Kahoka[2]	Mississippi	*	.12				.75					*	.06				T.	T.			.05		.08			*	.70	.55	.03	T.			2.34
Kansas City Airport [1‡]	Missouri	.02	T.	T.		.64	T.		T.	T.	T.	.04	T.	T.		.03				.11	T.	.30	T.				1.14	.15	T.	T	T.		2.43
Kansas City University	do	T.				.99							.02			.05				.08	T.	.12					1.08	.07	T.				2.41
Kidder[2]	Grand		.02			.23	.34						.06							T.	.05		.35				.52	1.78	.15				3.50
King City	Missouri	.02				.64						.10	.12			T.			.06	T.	T.	.03	.23			.02	1.27	.32	T.				2.81
Kirksville	Mississippi	.06	.05			.49														T.	T.	T.	.33			T.	2.50	.13	.01				3.57
LaBelle[2]	do	.20	T.				.25														.07		.31				.32	1.26	.04	.11			2.56
Lawson	Missouri	T.	.20			.82							.08		.02					.20		.40					2.73	.03	T.				4.48
Linneus[2]	Grand		.04				.60						T.							T.		T.	.25				*	2.04	T				2.93
Louisiana[2] (A)	Mississippi		.04	T			.33						.01								.30							2.50	.10	.50			3.78
Lucerne[2]	Grand		T.		.06	.41					T.									T.			.33				.27	1.91	.02				3.00
Macon[2]	Charitou	.05	.15			T.	.52						T.				T.				.10		.38	.04			.18	1.20	.06	.08			2.76
Madison[2]	Mississippi	.06	.09			.18	.57								T.		.07			T.	.05		.31				.16	1.28	.21	.33			3.81
Maryville	Missouri	T.				.48			T.	T.	T.	.07	.06			T.				T.	T.	.20	.22				1.38	.33					2.74
Memphis[2]	Mississippi	.12	T				.65					.10									.01		.11				.15	1.93	.03				3.10
Mexico[2]	do		.08			.25	.20						.15				.10				.28	.09	.23				.02	3.00	.28	.50	.27		5.45
Milan[2]	Grand		T.			.04	.65					.03				.02	.02					.07					.53	2.03	.29				3.68
Moberly[2]	Mississippi	.10				*	.50			T.	T.		.05				.02			*	.15		.33				*	1.44	.12	T.	.01		2.72
Monroe City	do					.44					T.					.02				.04	.09		.23			T.	.03	2.22	.33				3.40
New Florence[4‡]	Missouri	.02		T.		.30	T.		T.		T.	T.	.07			.05				.33	T.	.17	T.			T.	2.29	.65	1.18	.01			5.07
Oregon	do	.03				.75	.05		T.	T.		.05	.05							T.	T.	.17	.10				1.14	.70	.05				3.09
Palmyra[2]	Mississippi		.06				.40					.10									.12						.27	2.03	T.	.30			3.28
Paris[2]	do		.02			.18	.25					.03	T.				.03			T.	.08		.28					1.98	.01	.28	T.		3.14
Perry	do					.40										.04				.15		.23						.60	.20	.10	.10	.03	1.85
Philadelphia[2]	do						.40														.34						.24	2.09	T.			.20	3.27
St. Charles[2]	Missouri		.05			*	.40						.12							*	.35					.05	.07	2.30	.05	.27	.05		3.71
St. Joseph[1‡]	do	.04				.60			T.	T.		.09	T.			T.				T.	T.	.15					1.31	.31					2.50
Saverton, Lock No. 22[2]	Mississippi	T.	.04				.24				T.	.02	T.	T			T.			T.	.33	T.	.23			T.	T.	2.15	T.	.46			8.47
Shelbina	do	.04	.07			.18						T.								.03	.07		.33				.70	1.22	.14		.09		3.17
Shelbyville[2]	do						.42																.43				.17	1.48		.22			2.72
Steffenville	do	.10				.30	.03				T.					T.				.03	.06	T.	.30		T.	T.	.85	1.15	.16	.02			3.00
Tarkio	Missouri	T.				.52				.03	.17	.09									T.	.32	.25				.83	.17					2.38
Trenton	Grand	T.				.69						T.				T.				T.	T.	.09	.23				3.08	.21					4.30
Troy[2]	Mississippi		.02			.02	.40						.15				.04				.15		.17				T.	2.60	.02	.92			4.49
Unionville[2]	Chariton		.07				.59					.10									.02		.38				.31	2.17	.09				3.73
Warrenton	Mississippi		.18			.55							.15			T.				.25							T.	3.24	.78	T.			5.15
Keokuk, Iowa[3]	do	T.	.01			.27	.01				T.	T.				T.	T.	T.		.10	.01	.24	.06			T.	1.80	.52	.09		T.	T.	3.11
Southwestern Division																																	
Altona[2]	Osage	T.		T		.45	.08													.33	.43	.34		T.				1.63	T.				3.26
Anderson (near)	Neosho					.53		.18	T.	T.										T.	T.						2.42	.22	T.	T.			3.35
Appleton City	Osage		.04	.03		1.04		.03								.05				.09		.20	.32				1.12	.30	*	.18			3.40
Bolivar	do			.05		.45		.01								.04				.24		.12	.08				1.44	1 28	.92	.02	T.		4.65
Boonville[2] (A)	Missouri		.14			.30	.35						.07			.02	.02			.03	.02	.17	.30					1.31	.05	.30	.02			3.10
Buffalo[2]	Osage		T.	.07		.51	.04	.01	T.											.12	1.50	1.25	.70					.50			1.50	.75	6 95
Butler[2]	do			.02			.90	T.									.03			.07	.01	.02					.84	1.75	.03				3.67
Caplinger Mills[2]	do			.18		.55	.15	.03												.05	.19	.03	.40		T.	T.		2.10	.56	.48	T		4.72
Carthage	Neosho					.60		.07								.02					.26	.13	.16				1.12	.72	.38				3.46
Clinton[4]	Osage	.05		.01		.78		.01				T.	.04			.02				.30	T.	.42	.02				1.39	.11	.54	.08			3.77
Concordia	Missouri		.01			.60					T.	T.	.02			.02	T.			.16	T.	.07	.39				.03	1.43	.02	.02	.02	T.	2.79
Crocker	Osage		.05	.20		.80										.11				.20			.45				.20	3.39	1.22	.05			6.67
Eldon[2]	Missouri		.05	T.		.12	.35						.12			T.					.19		.28				.87	2.33	.06	.58	.06		5.01
Eldorado Springs	Osage	T.		.26		.90		.04	T.							.08				.27		.31	.15				1.13	.53	.45	T.			4.12
Fort Leonard Wood	Gasconade		.08	.15		.50		.04			T.		T.	T.		.03	T.			.06	T.		.40				T.	2.25	1.76	.05	T.		5.32
Galena[2]	White					.37	.14	.16	.02		.08											29		.34					3.82	.09	.07			5.38
Hailey	do					.68	T	.62												.36		.41	T.				1.48	1.49	.26	.09	T.		5.39
Harrisonville[2]	Osage				T	*	.80						.06				.02			.08	.04	.08	.15				.66	1.15	.06	.07			2.57
Jefferson City[2]	Missouri		.02		.03	.15	.65						.10							.10	.50		.20					3.80	.25	.65			6.45
Joplin[1]	Neosho				T.	.38		.12																			2.18	.24	.20				3.12
Lakeside[2]	Osage		.03	.05	T.	.08	.32	.03					.12	T.	T.		.04			T.	.20	T.	.21					3.25	.16	.51	T.			5.00
Lamar[2]	Neosho					.50	.15													.10	.08		.30					2.75	.15	.50			4.53
Lebanon[2]	Osage		.02	.18		.30											.42				.18		.64					3.55	.44	.23			5.96
Lexington[2]	Missouri		.04			.38	.33						.18				.06				.40		.37				.12	1.56	.03		.05		3.52
Lockwood	Osage					.45		T.					.09			.03				.25		.05	.22				1.26	.71	.76				3.82
Manes[2]	Gasconade																																
Marshall	Missouri					.60										.09				.10		.09				.10	.68	.68	T.	T.			2.34
Mountain Grove	White			T		.54		.05		.20										.27	.10		.40				.11	2.75	.90	T.	T.			5.32
Mount Vernon	Neosho					.50		.12	T.	T.						.10				.30			.30			*	2.67	T.	.48	T.			4.47
Neosho	do					.59	T.	.13	T.	T.										.05		.20	.15				.94	1.13	.27	.13			3.59
Nevada	Osage			.05		.67		.05	T.				T.			.02				.27		.28	.15				1.27	.34	.37	T.	T.		3.47
Osceola[2]	do		T.	.03		*	.50	.05								.02				.06			.46				.01	2.00	*	.25	T.		3.38
Ozark Beach[2]	White					.40	.21	.18	.02		.15										.05		.30					3.25	.65	.12				5.33
Pleasant Hill[2]	Osage		.10	.05		*	1.05		T.				.01				.06			T.	.08	T.	.30					1.73	.08	.04	.01			3.51
Roby	Gasconade		T.	.25		.52					.08									.52	.07	.30	.04	T			.16	2.67	1.25	.04	T.			5.90
St. Thomas (near)[2]	Osage		.11	.05			.51						.10										.27					3.65	.46	.46			5.61
Sedalia	Missouri		.02	.20		.80							.08			.02				.10		.06					1.16	.60	.12	.02			3.18
Seligman	Neosho					T.	T.			T.		.68				T.				.05		.31					1.14	1.88	.11				4.17
Seymour (near)	White					.25		.05												1.28			.30				.09	2.50	.60				5.07
Springfield [1‡]	do	T.	T.	T.		.55	.04	.05	T.		T.	T.	.06	T.		.04				.42	.02	.25	.03				3.06	.59	.63	.01	T.		5.75

Continued on next page

Daily Precipitation for December 1942 Continued from preceding page

Stations	Drainage Basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																	
Stover[2]	Missouri		*	.60		*	*	*					*		*		*			*	*	*	*				*	2.55	.82	.66			4.63
Sweet Springs	do		.08			.90			T.			T.	.11			.02				.15	.10	.09	.30				1.10	.34	.04	.02			3.25
Warrensburg	do			T.		.83	T.	T.					.29							.20	T.	.01					.35	.22	.04	.11			2.08
Warsaw (A)	Osage		T	.03		.70		.03	T.				.02			.02				T	T	.15	.20				.58	1.10	.59	.11	T		3.56
Wasola	White					.78	.04	.16		.20										.01	.06	.08	.19				.40	3.21	.16	T			6.62
Waverly[2]	Missouri		.05			.15	.40						.20							T.	.32		.38				.10	1.46	.05	.10			3.21
Southeastern Division																																	
Advance[4]	St. Francis	T.		.06		.08	.03	.07			.02		.02							.16	.01	.09	.11		T.	T.	.16	.80	.11	T.			1.72
Alton (near)	Black	.12		T.		.71		.25				.18		T.							.02			.34			.74	3.81	.40				6.57
Annapolis	St. Francis		T.	.17		.46		.08			.18		.19					.05		.33	.18		.46				5.42	1.13	.22				4.99
Arcadia[2]	do		T.	.15	T.	.05	.48	.04	T.		.21	.02	T.		T.		T.				.25	T.	.63			T.		2.53	.11	.29			4.76
Belleview	Meramec		.06			.30										*	.12			*	.10		.72				.52	2.08	1.48				5.38
Birch Tree (near)	Black			T.		.74		.20									.26			.07			.45				.06	2.70	.97				5.45
Bragg City	St. Francis	.10		.14		.58		T.			.07			T		T.	.15				.10		.54					.93	.30	T			2.91
Campbell	do	.24		.03		.45	T.	.08			.02		T.			.43					.05		.62			T.		.86	.40	T			3.18
Cape Girardeau[2]	Mississippi	T.		T.	.10	T.	.30	.22	T.		.01	.06	.02	.03							.03		.31	.04				.42	.12	.06	T.		1.72
Carruthersville[2]	do		.12		.23	.05	.15	.05					.12				.40				.10		.55					.54	.47	.15			3.23
Centerville[2]	Black		T	.19		.16	.33	.05			.21		T.								.72		.35				2.28	.12	.20				4.61
Crystal City	Mississippi		.02	.02		.67					.14					*	.01			*	.67		.02				.36	2.86	.42				5.22
Deering[2]	St Francis	.01		.02	T.	.35	.50	.05			.05	.05					.30	T.			.10		.55	T			.05	.75	.05	.10			2.93
Dexter[2]	do	T.	.21		T.	T.	.56	T.	.12			T.	.05				T.				.37		.42	.09				.60	.37	.13			2.92
Doniphan	Black	.15		.18		.79		.22			.09										.03	.04					.11	1.52	.52				3.65
Farmington	St. Francis		T	.15		.35		.02			T.		.09	T.			T.			.42	.19		.17				.24	1.95	.21	.02			3.84
Fisk[2]	do	.11	T.		T.	.07	T.	.42				T.									.04		.17					.96	.06	T.			1.83
Fredericktown[2]	do			.02	.04		.44	.04	.02		.03	T.	T.		T.						.60		.15					2.33	.03	.14			3.84
Gerald[2]	Meramec			.50		.32	.30						*								.48		.10					2.50	1.55				5.75
Goodland	Black			.18		.45					.16									*	.11		.21				.16	2.90	.25				4.72
Greenville	St. Francis			.03		.61		.40			.11	T.											.21				.08	2.75	.22	.03			4.41
Jackson	Mississippi			.07		.50		.12			.12									.06	.20		.25				.03	1.21	.18	.02			2.76
Jefferson Barracks	do		.10			.55					.10		.10							.10	.02		.34					3.56	.20				5.07
Jerome[2]	Gasconade		.09	.05		.20							.26							.05	.45		.15					3.70	.55	1.10			6.60
Koshkonong	Black	T.		T.		.62		.24			.25	T.		T.							.12		.32				.20	3.00	.75	T.			5.50
Leeper[2]	do			.08	T	.26	.48	.26			.17		.03								.18		.28	T.				2.83	.09	.24	T.			4.90
Licking (near)	Gasconade			.22		.25		.09			.16					*	.03			.43			.45				.02	3.07	1.35	.01	T.		6.08
Marble Hill	Mississippi			.25		.38		.12			.18						.30			.10	.06		.31				.26	1.01	.26				3.23
Meramec Park[2]	Meramec		.03	.10	.08	.09	.14						.09				.04				.37		.42					4.32	.26	.79			6.73
Morehouse	Mississippi	.22		.05		.36		.12			.03				.04	.03					.23		.44				.03	.54	.07	.03			2.19
New Madrid[2]	do	.04	.11		.10	T	.40	.05	.06			.02		T			.32				.13		.16	.36			T.	.23	.21	.16	.03		2.38
Owensville[2]	Gasconade		T.	T.	T.		.90							.11	T.	T.					.05		.52					3.55	.10	1.64	.03		6.90
Pacific[2]	Meramec			T.	T.		.65					.08					T				.20							3.05	.10	.70			4.78
Parma[2]	St. Francis	.19	.10		.05	.05	.26	.18			.04						.32						.68					.59	.21	.11			2.78
Perryville[2]	Mississippi			*	.11	*	.31		.03		*	.33	*	.10							.57	*	.26				.11	2.91		*	.38		5.11
Poplar Bluff[2] (A)	Black				T.	*	.36	.19													.13		.40	T				1.30	.23				2.61
Richwoods[2]	Meramec		T.	.02		*	.35				.10		.09	T.							.50		.18					3.35	.20	.45			5.24
Rolla[4]	do	T.		.06		.53		T.	T		T.		.07	T.		.02				.33	T.	.15	T.		T.	T.	1.34	1.18	2.16	.02	T		5.86
St. Louis:																																	
City Office[1‡]	Mississippi	.08	.02	T.		.65	T.				.07	T.	.19			.03		T.		.28		.03	.03			T.	.93	2.03	.26	.01	T		4.61
Airport[4‡]	Missouri	.15	T.	T.		.18	T.				.05	T.	.08			.05		T.		.21	T.	T.	.30			T.	.58	1.44	.18	.02	T.		3.24
St. Louis Univ.[3‡]	Mississippi	.07	.04	T.		.50					.13	T.	.30			.01	T.	T.		.29	.06	.01	T.			T.	.07	2.87	.20	T.			4.55
Washington Univ.[2‡]	do		.05				.49				.09		.05				.05				.28		.15					2.52		.28	.02		3.98
Salem	Meramec		T.	.13		.45					.27					T.				.23			.40				.16	5.70	1.13	.03			8.50
Sikeston[2]	Mississippi	.18		T.	.06	.01	.06	.42	T.		.05	.02	.03				.07				.20		.48	T.	.06			.78	.10	.07	.02			2.64
Union	Meramec		.06	.01		.09							.09			.03				.29			.14					3.58	.93	.03			5.85
Valley Park[2]	do		.10		T.	.05	.61				.07		.20				T.	T.		T.	.10		.04				T.	2.00	.08	.56	.04			3.85
Van Buren	Black			.05		.65		.17		T.	.17												.31				.65	3.25	.60				5.85
Wappapello Dam[2]	St Francis	.02	T	.03	T.	.16	.46	.15	T.		.06		.02				T.				.20		.32	T.		T.		1.16	.15	.25	T.		2.98
Weingarten	Mississippi										.12		.07			.05				.38	.10		.60			T.	.06	2.07	.28	.03	.02		
West Plains[4]	Black	T.		T.		.74	T.	.16			.30		.02	T.		T.				.05	T.	.19	.05				2.32	1.32	.92	T			6.07
Williamsville[2]	do	.02		.10	T.	.28	.40	.30			.13										.06		.18					2.93	.13	.12			4.65
Willow Sprgs. (near)	White					.63		.12			.22		.03			.02				*	.34						.09	3.64	1.25				6.34
Zalma (near)	Mississippi	.01		.02		.30		.20			.09		.01								.15		.26				.08	1.15	.18				2.45
Cairo Ill [1‡]	do	.19	T	.04		.22		.13			.04		.02	T.		.08		T.		.29	.08	.01	.48			T.	.13	.39	.07	.01			2.18

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for December 1942

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.025	*	*	*	*	*	*	*	*	*	*	.211	*	*	*	*	.126	*	.098	*	*	.017	.006	.005	.040	.003	....	****	††††	‡‡‡‡	.028	0.556
	Mean temperature	35	18	24	26	23	32	34	32	34	42	41	25	21	36	37	34	41	38	29	24	30	36	40	40	45	55	38	34	34	36	42	34.0
	Wind movement	94	156	62	46	33	41	41	24	69	84	42	38	9	28	44	95	54	87	64	52	35	61	43	23	26	21	86	68	52	62	56	1,696
St. Louis (Washington University)	Evaporation	.017	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	§§§§	.109	.022	.008	.009	.009	....
	Mean temperature	32	13	19	26	25	32	28	24	28	36	39	21	18	30	32	30	40	36	24	24	28	30	38	38	46	56	40	36	36	36	38	31.6
	Wind movement	56	70	48	19	23	26	53	40	14	60	26	48	39	35	31	91	50	72	83	102	57	56	21	20	27	33	69	117	74	69	28	1,557

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. **** −.009. †††† −.005. ‡‡‡‡ −.007. §§§§ −.016.

Daily Temperatures for December 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	33	16	32	37	32	27	35	32	36	41	44	21	23	38	38	39	53	37	24	25	34	45	53	46	45	53	36	32	35	36	48	36.3
	Minimum	26	8	7	15	14	24	18	10	15	30	28	11	1	13	20	18	19	23	23	18	18	25	26	25	33	34	35	28	29	30	26	21.0
Chillicothe §§	Maximum	33	17	30	35	31	27	31	32	34	38	39	19	22	36	39	39	51	36	23	26	35	42	52	45	41	42	33	30	34	33	49	34.7
	Minimum	24	5	5	13	14	17	12	14	17	29	29	10	6	11	20	17	19	22	21	16	17	24	27	32	35	38	32	25	26	29	27	20.4
Columbia	Maximum	35	17	32	37	32	32	34	31	38	42	45	29	25	42	37	37	56	38	28	25	35	44	55	50	46	69	39	34	35	39	54	38.5
	Minimum	12	6	14	15	29	24	21	17	31	32	29	11	11	20	23	17	31	26	19	18	24	29	28	36	36	39	34	31	31	28	26	24.1
Fayette	Maximum	35	31	32	36	32	31	35	28	36	42	41	35	23	40	36	37	53	45	32	25	31	43	54	46	42	66	46	34	34	36	51	38.3
	Minimum	24	4	9	12	25	23	16	12	27	32	27	8	3	11	21	15	28	20	21	16	22	29	22	33	32	39	32	29	29	30	22	21.7
Grant City	Maximum	33	16	32	35	32	28	31	33	33	37	37	25	22	33	38	37	49	35	23	21	33	40	50	40	35	35	36	29	37	37	42	33.7
	Minimum	12	2	10	7	25	− 1	2	18	27	18	19	4	1	16	23	13	30	20	16	14	20	24	20	26	25	34	20	20	27	24	23	17.4
Hannibal	Maximum	35	15	26	32	31	29	30	33	36	40	41	23	21	36	35	29	52	36	25	26	33	38	50	42	38	66	39	34	33	37	49	35.2
	Minimum	13	2	7	11	25	20	15	8	29	30	21	8	4	15	22	13	27	24	16	13	9	27	22	22	32	37	32	30	30	26	24	19.8
Kansas City Airport	Maximum	38	18	35	37	33	31	36	34	36	41	42	27	23	37	40	42	55	37	27	25	35	46	54	45	40	44	36	28	34	35	50	36.8
	Minimum	14	9	17	20	28	21	20	29	31	31	27	16	18	20	25	22	32	27	22	20	23	32	33	33	33	36	25	25	28	28	30	25.0
Kirksville	Maximum	31	27	26	32	30	29	25	28	34	37	34	29	14	31	35	32	48	39	26	26	30	40	50	43	35	40	40	31	34	35	46	33.5
	Minimum	20	2	7	10	25	19	10	8	26	31	28	6	0	9	27	16	26	24	15	12	20	29	23	32	28	34	29	26	28	27	26	20.1
Lawson	Maximum	34	24	25	36	32	32	36	33	36	32	37	31	22	32	32	38	59	38	32	30	32	35	42	52	45	42	42	29	34	32	49	35.6
	Minimum	20	5	5	12	15	12	15	15	28	20	26	10	6	15	20	16	31	22	22	16	22	25	30	32	30	35	23	24	27	28	22	20.3
Louisiana §§	Maximum	38	14	27	33	32	31	29	34	44	39	42	20	20	38	35	37	53	35	35	27	37	37	51	45	43	68	38	35	34	38	50	36.7
	Minimum	26	6	6	13	13	26	26	2	5	31	26	15	7	10	10	16	17	30	25	20	11	19	22	23	32	35	36	33	33	33	24	20.4
Macon §§	Maximum	31	14	28	34	31	31	31	31	35	38	40	20	24	35	36	40	51	38	23	27	34	42	52	43	42	46	34	31	34	37	48	34.9
	Minimum	24	3	4	10	10	25	15	3	4	29	28	9	3	5	21	15	16	26	22	14	14	21	22	30	32	33	30	28	30	26	18	18.8
Maryville	Maximum	32	21	31	36	31	31	27	33	32	37	34	25	17	33	37	39	47	35	27	19	30	39	50	42	34	35	34	29	34	33	43	33.1
	Minimum	21	2	7	9	25	8	9	24	26	16	20	5	4	12	28	14	29	22	19	15	18	25	23	30	27	34	20	18	24	23	22	18.7
Mexico §§	Maximum	32	32	32	36	32	32	31	33	39	42	45	24	22	42	36	40	55	36	26	25	42	42	55	50	53	69	39	38	35	41	52	38.6
	Minimum	27	6	5	10	12	27	20	2	5	32	30	10	5	9	12	16	18	28	22	16	12	17	25	30	32	36	35	29	26	30	25	19.6
Moberly §§	Maximum	30	16	28	34	31	31	32	31	35	39	41	20	25	35	35	41	51	36	24	29	35	41	53	43	43	65	35	33	33	37	50	35.9
	Minimum	25	6	6	12	13	26	15	7	8	30	28	11	4	9	21	15	17	27	23	17	16	23	24	29	32	33	34	30	30	30	25	20.2
Oregon	Maximum	35	23	33	38	33	31	32	34	33	40	38	28	21	35	38	40	49	42	28	22	32	43	50	44	38	37	35	27	34	33	45	35.2
	Minimum	22	4	13	13	26	6	12	26	26	26	23	8	11	16	29	17	29	22	19	16	19	30	37	30	29	34	20	17	22	23	23	20.9
St. Charles §§	Maximum	34	19	29	38	32	34	33	33	39	39	47	19	24	45	40	39	57	39	26	28	38	38	54	45	56	70	39	37	37	41	54	38.8
	Minimum	29	6	7	15	17	28	23	13	13	33	32	18	16	15	22	18	18	30	25	20	14	23	24	25	32	41	39	35	34	33	27	23.4
St. Joseph	Maximum	34	16	32	38	31	26	32	33	34	40	37	22	21	34	38	40	51	38	25	23	33	42	52	45	35	37	34	26	34	32	46	34.2
	Minimum	13	7	15	18	26	11	14	28	29	23	22	12	16	15	24	19	30	25	20	20	23	32	33	34	32	30	34	22	21	26	27	22.4
Trenton	Maximum	32	24	30	36	32	29	30	31	34	38	37	30	23	32	38	36	50	40	28	21	31	41	51	46	41	39	36	33	35	35	49	35.1
	Minimum	23	4	9	13	24	16	8	12	28	29	27	10	7	16	29	30	30	21	20	16	21	30	26	34	29	35	32	21	28	26	26	22.0
Unionville §§	Maximum	30	15	29	34	31	30	29	29	34	37	37	20	22	32	37	37	49	31	27	22	33	40	52	43	36	42	43	29	35	32	45	33.6
	Minimum	20	0	0	9	10	14	10	6	14	27	24	2	− 2	− 3	20	15	10	21	18	11	11	20	22	27	25	31	30	23	25	28	24	15.9
Warrenton	Maximum	36	30	30	36	33	33	33	33	37	43	44	40	25	42	39	34	56	44	33	28	28	36	51	50	47	67	67	36	35	36	52	39.8
	Minimum	26	4	8	13	24	27	21	12	29	34	31	12	6	12	28	16	28	29	20	19	12	28	21	34	38	43	36	33	31	31	24	23.5
Keokuk, Iowa	Maximum	32	10	24	31	30	28	26	29	40	38	36	18	13	33	33	26	48	31	22	24	36	38	51	40	37	43	36	32	35	35	46	32.3
	Minimum	8	2	7	10	27	15	12	5	29	30	15	5	0	13	17	12	26	22	14	13	12	30	29	30	30	36	31	30	30	26	26	19.1
Southwestern Division																																	
Clinton	Maximum	39	23	34	41	33	32	39	45	38	45	48	34	27	48	38	41	60	45	31	25	35	49	56	54	54	68	37	30	33	42	52	41.2
	Minimum	17	13	12	16	27	25	24	30	31	33	30	17	19	20	25	19	33	26	24	21	22	31	28	37	36	37	29	29	29	27	25	25.5
Eldon §§	Maximum	35	21	34	41	32	34	32	35	39	39	49	24	24	51	44	44	61	44	29	26	37	46	56	52	53	68	37	33	34	41	56	40.4
	Minimum	25	10	8	15	17	28	25	15	18	32	31	22	9	16	23	18	17	25	23	20	20	21	28	27	34	39	36	32	31	31	25	23.3
Harrisonville §§	Maximum	38	23	35	40	33	30	35	34	36	44	41	26	23	43	38	43	53	41	29	31	35	45	53	48	47	57	33	30	33	38	52	38.3
	Minimum	26	10	9	15	19	23	19	20	29	29	27	14	15	15	20	15	17	24	25	21	21	29	28	29	33	35	31	25	25	29	24	22.6
Jefferson City §§	Maximum	32	16	31	41	31	34	33	33	38	44	46	21	23	47	40	44	59	44	28	25	32	43	58	54	51	67	37	33	34	41	55	39.2
	Minimum	26	8	8	15	17	29	24	13	14	32	32	21	10	17	23	17	17	26	26	20	21	24	26	29	32	40	35	33	32	32	25	23.4
Joplin	Maximum	41	29	37	36	35	33	34	35	42	52	49	44	43	54	57	43	64	64	46	32	43	52	60	57	66	70	50	32	33	35	57	46.0
	Minimum	29	20	25	26	31	30	30	34	32	40	36	27	29	31	33	24	42	34	32	23	26	40	36	41	50	50	32	29	30	30	28	32.3
Lamar §§	Maximum	43	30	40	37	36	35	38	36	41	51	52	34	40	54	50	45	67	63	39	29	40	52	57	60	63	68	38	34	34	36	55	45.1
	Minimum	21	12	12	13	14	24	23	23	26	26	29	23	20	22	22	14	14	24	25	18	18	22	24	25	31	36	30	24	22	24	21	22.1
Lebanon §§	Maximum	39	30	35	47	32	33	43	36	44	55	56	32	29	57	60	46	64	43	32	25	38	47	60	65	64	67	37	33	33	39	54	44.4
	Minimum	25	11	10	12	12	25	26	25	27	30	31	24	15	18	22	17	17	24	25	18	18	22	27	29	39	36	34	30	28	28	22	23.5
Lexington §§	Maximum	35	20	35	38	32	29	37	33	36	41	44	24	22	38	39	41	56	38	26	23	35	46	52	46	44	45	33	31	33	38	52	36.8
	Minimum	26	8	9	18	19	20	17	19	25	31	29	11	12	16	22	19	19	25	22	19	19	23	31	34	32	34	32	26	28	30	26	22.6
Marshall	Maximum	36	33	32	37	35	31	35	33	35	40	43	40	26	38	38	38	53	48	35	26	31	44	55	50	60	65	46	35	36	36	52	40.1
	Minimum	25	7	12	17	28	18	18	17	30	34	30	10	7	18	19	17	33	24	24	18	18	30	30	34	33	33	30	28	29	32	21	23.4
Mountain Grove	Maximum	38	34	33	37	36	53	35	35	37	48	45	42	29	51	57	42	60	58	48	32	28	43	53	56	58	65	62	36	34	35	49	44.3
	Minimum	28	14	19	19	26	25	26	27	30	31	31	25	17	17	39	18	30	25	30	21	20	26	28	35	41	51	35	31	29	30	20	27.2
Neosho	Maximum	48	41	39	38	37	36	36	36	38	53	50	47	44	58	57	46	62	64	61	46	40	51	59	58	57	58	60	36	34	35	58	47.8
	Minimum	31	20	26	20	30	30	30	33	31	37	34	29	28	36	21	32	28	42	25	26	36	27	35	28	45	36	30	30	32	25	30.4
Nevada	Maximum	44	40	36	35	34	34	38	36	37	48	50	44	38	53	49	43	61	56	40	32	34	50	57	57	57	67	53	30	33	38	53	44.5
	Minimum	27	14	16	17	28	27	25	30	30	32	30	21	23	22	25	17	32	25	29	21	22	31	29	37	39	41	28	26	26	30	23	26.9
Sedalia	Maximum	42	34	32	40	36	32	36	36	38	43	45	41	26	42	37	39	56	50	35	28	36	45	55	52	55	67	47	34	34	40	51	41.4
	Minimum	26	7	14	16	28	26	24	20	30	33	29	10	10	15	27	16	33	25	26	20	23	32	30	35	35	44	34	29	28	31	26	25.2
Springfield	Maximum	37	24	35	35	32	33	35	31	36	50	46	40	38	56	54	43	60	55	41	30	33	47	52	57	58	65	54	33	32	33	52	42.9
	Minimum	21	15	22	20	28	28	28	30	31	35	31	22	23	23	28	19	34	28	30	22	23	32	28	39	44	54	33	30	30	30	25	28.5
Warrensburg	Maximum	41	36	33	38	35	34	35	33	35	41	43	41	23	37	38	39	57	47	33	28	33	46	52	50	40	66	48	33	33	38	51	39.9
	Minimum	26	8	15	16	28	25	19	26	29	32	28	11	12	15	22	17	33	24	25	19	21	31	30	35	33	34	29	27	28	31	25	24.3
Southeastern Division																																	
Arcadia §§	Maximum	35	27	30	40	31	34	33	41	42	47	47	31	26	49	56	40	63	56	30	26	36	42	55	58	61	70	56	39	36	37	49	42.7
	Minimum	26	13	10	7	15	20	26	16	15	30	26	26	12	13	20	21	19	28	26	23	21	19	21	20	32	43	54	36	33	33	22	23.4
Birch Tree (near)	Maximum	39	37	32	35	34	37	38	39	38	48	46	44	30	53	49	51	53	57	45	32	30	44	54	49	54	69	64	39	37	37	48	43.9
	Minimum	30	15	17	26	25	27	26	28	30	30	28	24	13	13	29	26	30	26	26	22	18	26	17	30	42	48	36	33	30	32	15	26.4
Caruthersville §§	Maximum	45	30	29	37	35	36	36	35	44	40	49	42	27	48	67	43	63	55	43	33	45	48	53	62	74	75	62	46	42	41	50	46.3
	Minimum	33	26	24	17	18	29	30	29	28	31	33	29	19	19	20	29	26	30	30	30	26	26	27	27	35	50	58	42	38	36	30	29.8
Crystal City	Maximum	37	28	27	37	33	36	32	38	43	47	46	32	22	49	50	35	62	43	33	27	31	30	52	52	56	73	66	40	38	40	53	41.5
	Minimum	27	7	11	10	17	27	20	8	30	33	23	10	4	9	24	18	24	27	26	17	20	20	19	26	40	49	40	37	34	28	22	22.8
Doniphan	Maximum	44	37	32	40	36	34	39	44	41	52	54	44	32	49	65	46	49	55	42	34	38	50	56	54	64	75	67	46	44	42	50	46.9
	Minimum	27	22	19	13	28	28	31	17	32	30	31	25	17	14	25	25	27	34	30	25	23	33	19	25	46	47	42	38	35	36	21	27.9
Farmington	Maximum	33	30	27	38	36	34	33	39	42	47	46	42	26	50	53	39	62	57	47	30	28	40	52	48	62	70	65	44	37	37	50	43.4
	Minimum	29	9	16	12	27	27	24	16	32	33	30	22	11	14	33	19	29	27	19	20	20	26	20	35	42	53	38	35	33	33	24	26.0
Jackson	Maximum	37	35	25	36	35	35	35	36	41	44	45	42	31	43	52	39	63	60	45	32	32	44	46	51	57	72	69	43	41	40	47	43.6
	Minimum	34	15	17	7	27	29	27	17	25	34	34	24	15	15	32	24	28	28	28	24	23	30	25	30	45	50	42	39	36	35	24	27.8
Poplar Bluff	Maximum	42	37	28	40	33	36	35	44	40	48	54	44	31	43	64	54	62	50	47	35	39	44	53	58	64	75	66	48	42	44	49	46.7
	Minimum	30	21	21	15	28	28	30	21	33	34	36	28	16	17	32	28	26	30	29	25	27	24	23	41	47	48	44	36	32	34	31	29.5
Rolla	Maximum	36	21	27	36	34	33	32	34	38	47	45	37	25	53	50	43	59	50	30	25	35	41	55	56	55	68	56	34	33	36	52	39.5
	Minimum	16	6	14	12	26	27	21	17	31	33	32	10	10	18	25	15	33	23	22	19	20	31	29	35	41	54	32	30	30	25	22	23.8
St. Louis	Maximum	38	20	28	36	32	34	32	35	40	44	43	33	23	46	43	31	58	38	30	29	35	40	50	49	54	71	58	37	37	39	51	39.8
	Minimum	20	7	13	18	28	27	23	18	33	35	33	15	13	17	28	19	30	30	24	18	18	35	31	36	42	51	37	35	34	32	30	26.8
Salem	Maximum	37	31	31	40	33	33	34	37	41	49	48	38	24	54	54	43	62	56	46	32	28	40	53	50	59	68	63	38	34	34	53	43.3
	Minimum	29	11	16	10	26	29	26	13	31	33	29	22	13	18	31	17	29	24	26	20	20	28	23	36	42	51	36	34	31	31	23	26.1
Sikeston §§	Maximum	40	32	25	36	33	35	34	37	42	47	50	39	25	46	61	41	61	53	37	27	43	47	52	55	64	76	62	44	40	40	60	44.6
	Minimum	31	21	20	14	16	29	30	21	26	32	34	33	15	17	20	26	26	30	29	26	24	24	28	29	34	34	58	40	37	37	27	28.0
Union	Maximum	39	30	29	32	32	34	34	32	39	42	42	39	24	42	42	36	62	51	36	26	31	38	51	46	54	71	67	40	37	44	56	41.2
	Minimum	29	6	11	10	22	27	23	4	28	34	27	20	6	10	23	16	25	29	24	20	19	29	19	26	39	39	37	34	32	32	23	23.3
West Plains	Maximum	39	32	33	39	33	35	34	37	36	50	46	45	28	54	60	43	65	53	38	33	37	44	55	49	60	69	58	50	36	37	52	44.5
	Minimum	32	19	20	19	27	28	28	28	32	26	26	17	17	17	28	20	31	24	32	23	20	25	19	27	43	49	38	34	31	22	19	26.5
Cairo, Ill.	Maximum	43	36	25	34	33	36	35	34	42	43	46	38	26	45	59	35	58	47	36	33	44	46	49	56	64	74	65	46	40	40	46	43.7
	Minimum	31	20	18	17	31	31	29	28	30	35	33	20	18	20	33	28	31	33	30	25	24	37	30	36	52	60	44	40	39	33	30	31.2

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record, to the preceding day on which it almost always occurs. ¶ Estimated. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ‖ Partially estimated.

WBO, St. Louis, 1-28-43—1050.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVI ANNUAL SUMMARY 1942 No. 13

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The year 1942 was a very favorable year for all-round crop growth and development and production of most crops was exceptionally good. Moderate temperatures, abundant precipitation, serious floods in June and December, and the exceptionally early killing frost in the fall making the growing season unusually short, were the outstanding features of 1942.

The temperature averaged practically normal for the State as a whole. The Northern Division averaged 53.5°, the Southwestern Division 56.1°, and the Southeastern Division 57.0°, all less than one degree warmer than the respective normals. January, March, April, July, October, and November averaged warmer than normal while the other months averaged colder than normal. April and November were decidedly warm, while September and December were relatively cool to cold. Extremes of temperature ranged from 24° below zero in January to 106° in August but these extremes are not unusual, having been equalled or exceeded numerous times in past years. It is, however, worthy of mention that the extreme low temperature this year occurred in the extreme southern portion of the State.

Precipitation for the year averaged considerably above normal for the State as a whole, but the annual totals between the station receiving the greatest amount of precipitation and the one receiving the least amount varied by nearly thirty-two inches. The average for the Northern Division was 42.48 inches, the Southwestern Division 47.87 inches, and the Southeastern Division 47.89 inches, all of which are approximately five to seven inches more than the respective normals. It was the wettest year since 1935, for the State as a whole, and the seventh wettest of record. Only four months—January, March, April, and July averaged drier than normal and the monthly deficiency for those months was generally less than one inch. All the other months were wetter than normal, except October which averaged exactly normal. June and December were very wet and it was during these months that the only serious floods of the year occurred. There were several locally heavy to excessive falls of precipitation, particularly in June, July, October, and December, which resulted in considerable damage and erosion. The adequate and timely precipitation during the growing season was the dominant factor in the high crop production.

Snowfall was more than normal, being particularly heavy in February and December.

Tornadoes, damaging windstorms, and thunderstorms were rather frequent during the year but the aggregate loss in lives and property were relatively small considering the total number of such storms. Ten small tornadoes occurred and were distributed as follows: one in March, three in April, one in May, two in June, and three in October. Windstorms and thunderstorms of destructive force occurred, one or more times, in each month except September, November and December. Damaging hailstorms occurred in March, April, May, and June but damage was mostly light to moderate.

For details of the prevailing weather conditions and effect on crops, places and description of storm and flood damages, etc. during 1942, reference is made to the monthly editions of this publication.—M. R. W.

(Continued on page 75)

CONDENSED STATE SUMMARY FOR 1942

Month	Temperature				Precipitation				
	Mean	Departure from Normal	Maximum	Minimum	Mean	Departure from Normal	Greatest	Least	No. Days with .01 or more
January	31.1	+ 0.4	71	−21	1.66	0.73	5.83	0.05	5
February	33.0	− 0.1	74	−10	3.00	+0.93	5.61	1.24	10
March	45.8	+ 1.8	84	8	2.05	−1.12	4.95	0.60	7
April	59.1	+ 3.8	91	20	3.83	−0.12	8.55	0.64	9
May	63.8	− 0.7	97	29	5.31	+0.62	11.36	1.25	10
June	73.3	− 0.3	98	35	7.70	+3.01	14.51	2.78	14
July	78.8	+ 0.7	104	50	2.85	−0.75	9.32	0.22	7
August	75.1	− 1.4	106	41	4.21	+0.41	11.19	1.29	9
September	67.1	− 2.0	97	22	4.19	+0.18	13.72	0.43	7
October	58.0	+ 0.3	90	13	2.97	0.00	8.20	0.62	6
November	47.9	+ 3.5	82	6	4.27	+1.56	8.37	1.30	11
December	32.7	− 1.6	76	− 1	4.01	+1.82	8.50	1.72	10
Year	55.5	+ 0.4	106	−21	46.08	+5.80	14.51	0.22	105

COMPARATIVE ANNUAL DATA FOR MISSOURI

Year	Temperature			Precipitation					Number of days		
	Average for State	Highest	Lowest	Average for State	Average Northern Division	Average Southwestern Division	Average Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	52.9	111	−32	40.40	39.67	41.36	40.17	....	81	....	....	....
1889	54.3	107	− 9	38.19	36.97	40.35	37.26	....	85	....	....	....
1890	54.7	110	−19	39.51	31.07	42.08	45.39	....	82	....	....	....
1891	53.9	104	−13	37.18	37.28	37.71	36.54	....	93	....	....	....
1892	52.8	102	−31	44.77	41.62	47.88	44.80	....	92	141	95	130
1893	52.7	107	−20	39.17	35.42	38.99	43.10	....	77	155	117	93
1894	55.1	111	−35	34.61	26.97	38.27	38.58	15.4	73	170	120	75
1895	52.9	106	−26	40.03	36.74	43.42	39.92	23.7	85	161	108	96
1896	55.5	108	−10	40.37	39.65	39.79	41.68	12.6	86	154	111	101
1897	55.0	108	−16	40.56	35.18	37.46	49.03	19.5	86	167	104	94
1898	54.4	104	−20	54.26	51.87	54.12	56.80	18.6	102	162	102	101
1899	54.0	108	−32	37.93	36.34	36.81	40.64	28.8	82	166	110	89
1900	55.6	105	−16	39.00	35.73	39.57	41.70	18.5	90	171	106	88
1901	55.5	116	−29	25.86	23.36	26.56	27.66	19.2	72	190	98	77
1902	54.1	103	−17	45.01	42.71	48.98	43.33	16.7	103	159	103	103
1903	53.6	102	−25	40.63	38.78	42.79	40.31	16.5	96	170	96	99
1904	53.2	100	−23	42.06	41.59	42.43	42.16	18.8	89	180	99	87
1905	53.6	103	−40	47.00	39.82	51.84	49.35	22.3	97	174	91	100
1906	55.0	101	−13	39.43	30.26	38.78	49.25	28.2	98	165	89	111
1907	55.4	109	−15	40.91	37.01	41.92	43.81	12.8	95	173	82	110
1908	56.8	102	−10	43.81	37.66	47.24	46.54	9.7	91	184	92	90
1909	55.8	110	−20	45.27	44.94	42.95	47.32	18.3	92	173	90	102
1910	54.6	109	−24	37.81	31.96	37.99	43.48	17.2	82	183	81	101
1911	56.7	113	−19	37.43	38.04	37.92	36.33	15.2	88	166	86	113
1912	53.5	105	−36	38.99	32.53	38.82	45.62	39.6	81	192	80	94
1913	56.5	110	−12	38.20	33.14	35.96	45.50	26.0	87	174	80	111
1914	56.1	109	−18	34.68	32.21	36.43	35.41	26.4	81	171	86	108
1915	55.0	102	−24	49.84	48.57	51.74	49.22	25.3	98	160	86	119
1916	55.3	109	−29	40.62	38.58	41.08	42.19	18.2	87	191	77	98
1917	52.6	107	−23	32.21	28.70	31.92	36.01	13.9	80	186	83	96
1918	55.4	111	−25	37.69	32.60	37.19	43.29	27.2	84	185	80	100
1919	55.3	106	−23	40.27	36.73	40.46	43.62	10.2	86	181	81	103
1920	54.3	105	−10	37.56	33.62	38.66	40.40	15.4	89	171	82	113
1921	58.2	109	− 8	44.70	39.16	46.40	48.54	11.1	92	173	93	99
1922	56.8	108	− 6	39.68	37.50	41.64	39.90	8.2	85	192	80	93
1923	55.3	108	−11	42.18	33.43	42.47	50.64	8.6	98	165	88	112
1924	53.0	106	−28	40.03	35.28	44.39	40.41	28.3	92	173	91	102
1925	55.6	110	−15	39.15	38.83	36.81	41.82	16.4	84	171	94	100
1926	54.5	108	−20	42.92	42.35	43.85	42.57	23.2	95	160	86	119
1927	55.6	102	−24	55.53	42.03	59.85	64.70	13.4	101	163	91	111
1928	55.2	102	−18	45.88	41.22	46.01	50.40	6.8	90	174	94	98
1929	53.5	105	−23	46.72	44.13	45.56	50.48	22.3	102	155	93	117
1930	55.9	114	−31	31.38	26.71	34.90	32.53	17.6	75	194	84	87
1931	58.0	110	− 5	40.31	41.10	38.85	40.97	14.2	93	175	82	108
1932	55.6	109	−21	38.24	35.88	36.74	42.09	16.0	85	178	93	95
1933	57.3	108	−22	37.62	29.65	37.05	46.16	8.0	86	175	95	95
1934	57.4	117	−26	35.08	30.66	34.92	39.66	23.0	82	187	89	89
1935	55.0	110	−12	48.04	42.33	49.12	52.66	5.0	106	144	89	132
1936	56.3	118	−25	29.42	26.48	30.03	31.73	15.8	73	196	86	84
1937	54.5	105	−15	37.30	29.85	36.16	45.89	15.3	93	160	96	109
1938	58.4	110	− 9	41.00	36.86	42.36	43.83	10.0	92	182	90	93
1939	57.4	108	− 9	38.25	36.16	35.92	42.68	23.3	93	181	96	88
1940	54.0	111	−28	32.42	28.22	34.22	34.84	25.1	94	159	94	113
1941	57.2	110	0	42.15	41.10	48.07	37.31	14.0	102	151	101	113
1942	55.5	106	−24	46.08	42.48	47.87	47.89	18.9	105	154	97	114
....	....	....	....	.....	.....	.....	.....	....	....	....	....	....
Period	55.1	118	−40	40.28	36.52	41.14	43.18	17.9	89	171	93	101

NAT.
HIST.

Climatological Data for Year 1942

Stations	Counties	Elevation, feet	Temperature (Degrees Fahrenheit)						Precipitation (inches)						Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Northern Division																				
Albany	Gentry	980	2	52.5	100	Aug. 1	−18	Jan. 3	14	38.04	7.86	June	0.91	Jan.	32.0	108	185	90	90	s.
Bethany	Harrison	916	48	52.5	98	Aug. 1	−17	Jan. 10	50	35.41	7.16	June	0.20	Jan.	31.0	80	180[b]	80[b]	103[b]	se.
Brookfield	Linn	767	1	54.1	96	June 4†	−10	Jan. 10	1	45.32	11.72	June	0.40	Jan.	22.7	90	170	113	82	sw.
Brunswick	Chariton	652	62	53.8	98	July 29†	− 6	Jan. 5	64	45.53	11.61	June	0.40	Jan.	34.7	108	180	39	146	se.
Canton, Lock & Dam 20	Lewis	488	5	53.7	96	Aug. 1	−10	Jan. 10	13	39.48	6.21	Nov.	0.60	Jan.	14.2	107	145	96	124	nw.
Chillicothe	Livingston	779	34	52.8	97	July 17	−11	Jan. 4	37	43.51	10.41	June	0.34	Jan.	29.1	97	228	34	103	nw.
Clifton Hill	Randolph	731	44	54.2	98	Aug. 2	−10	Jan. 10	34	48.53	11.82	June	0.32	Jan.	29.2	109	154	86	125	nw.
Columbia	Boone	740	53	55.5	99	July 31	− 6	Jan. 10	53	43.56	7.18	June	0.38	Jan.	20.9	131	110	149	106	s.
Conception	Nodaway	980	54	52.5	98	Aug. 1†	−15	Jan. 4	59	40.38	11.87	June	0.22	Jan.	32.6	86	109	163	93	nw.
Elsberry	Lincolu	449	12	....	102	July 31	− 7	Jan. 8†	12	.....	7.06	June	1.46‖	Jan.	....	..	..	..	..	nw.
Fayette	Howard	760	63	54.1	97	July 29	− 9	Jan. 10	60	48.92	8.35	June	0.71	Jan.	30.9	117	186	48	131	s.
Fulton	Callaway	818	55	....	97	July 31†	....	.....	51	.....	.....	.....	.....	.....	....	..	..	..	..	.....
Grant City	Worth	1,134	39	51.6	97	July 15†	−16	Jan. 10	51	35.08	7.67	June	0.44	Jan.	50.2	84	129	107	129	sw.
Hannibal	Marion	759	51	53.1	95	July 31†	− 9	Jan. 10	59	45.85	6.76	June	0.26	Jan.	23.9	104	136	80	149	sw.
Kansas City Airport	Jackson	741	54	55.8	100	July 31	− 6	Jan. 4	54	41.02	7.35	June	0.14	Jan.	15.8	112	122	101	142	sw.
Kansas City University	Jackson	908	5	55 5	97	July 31	− 5	Jan. 4	5	48.29	9.94	June	0.15	Jan.	12.9	110	127	81	157	sw.
Kidder	Caldwell	1,020	51	52.9	98	Aug. 1	−11	Jan. 4	55	46.61	10.82	June	0.33	Jan.	26.9	107	176	75	114	nw.
Kirksville	Adair	969	54	53.3	98	Aug. 1	−12	Jan. 4†	61	39.57	6.67	June	0.33	Jan.	20.3	95	158	124	83	sw.
Lawson	Ray	1,070	5	53.6	99	July 31	− 9	Jan. 4†	5	50.81	10.19	June	0.19	Jan.	26.0	102	178	81	106	sw.
Louisiana	Pike	469	49	52.4	95	July 17	− 8	Jan. 10†	62	43.73	7.62	June	0.90	Jan.	25.0	94	164[e]	130[e]	66[e]	s.
Macon	Macon	875	44	53.1	100	July 31	− 9	Jan. 10	50	43.87	8.25	June	0.56	Jan.	31.1	114	121	93	151	sw.
Maryville	Nodaway	1,169	53	51.5	98	Aug. 1	−17	Jan. 8	49	42.09	10.03	June	0.87	Jan.	43.8	96	161	66	138	nw.
Memphis	Scotland	787	4	51.0	96	Aug. 1	−16	Jan. 10	13	35.32	7.05	July	0.58	Jan.	26.7	85	137	79	149	sw.
Mexico	Audrain	800	54	53.9	100	Aug. 1	− 7	Jan. 10	65	56.83	12 00	June	1.35	Jan.	37.1	124	177	42	146	sw.
Oregon	Holt	1,048	87	54.0	101	Aug. 1	−13	Jan. 4	87	35.47	7.33	Aug.	0.64	April	43.0	82	174	110	81	se.
St. Charles	St. Charles	520	55	55.9	100	Aug. 1†	− 5	Jan. 10	65	44.58	7.80	June	1.23	Sept.	24.5	110	189	110	66	s.
St. Joseph	Buchanan	957	33	54.0	99	Aug. 1	− 8	Jan. 4	71	38.46	7.00	May	0.28	Jau.	31.5	108	138	87	140	s.
Saverton	Ralls	472	5	54.5	97	June 4†	− 8	Jan. 10	5	46.64	6 91	June	0.74	Jan.	21.6	105	147[a]	147[a]	70[a]	nw.
Shelbina	Shelby	779	2	53.6	98	July 31	−10	Jan. 10	20	46.51	8.02	June	0.47	Jan.	23.1	100	166	85	114	sw.
Steffenville	Lewis	650	45	52.6	98	July 31	−10	Jan. 4†	50	40.44	5.84	Nov.	0.68	Jan.	19.8	103	169	114	82	s.
Tarkio	Atchison	916	40	51.7	100	July 15†	−13	Jan. 4†	49	42.70	10.15	June	1.17	Jan.	44.0	74	120	125	120	se.
Trenton	Grundy	822	47	54 0	100	Aug. 1	−12	Jan. 4†	48	39 13	6.62	June	0.37	Jan.	31.0	98	148	121	96	s.
Unionville	Putnam	1,062	50	51.0	98	Aug. 1	−18	Jan. 10	50	32.67	4.24	June	0.30¶	Jan.	27.3	100	143	123	99	sw.
Warrenton	Warren	816	61	55.6	98	July 31	− 8	Jan 10	53	42.35	7.16	June	1.42	Jan.	32.4	104	146	114	105	sw.
Keokuk, Iowa	Lee, Iowa	574	71	53.0	96	July 17†	−10	Jan. 4†	71	34.84	5.71	Sept.	0.52	Jan.	20.0	106	125	78	162	sw.
Division means and extremes		.....	..	**53.5**	**102**	**July 31**	**−18**	**Jan. 3†**	..	**42.48**	**12.10**	**June**	**0.10**	**Jan.**	**27.9**	**101**	**154**	**97**	**114**	**sw.**
Southwestern Division																				sw.
Anderson(near)	McDonald	1,000	39	....	99	July 29†	....	.....	44	.....	8.11	April	....	.....	....	..	..	..	..	sw.
Appleton City	St. Clair	813	48	55 8	97	July 31†	− 4	Jan. 10	51	45.86	10.54	June	0.58	Jan.	17.2	110	171	37	157	sw.
Bolivar	Polk	1,071	40	56.7	98	Aug 2	− 4	Jan. 10	48	42.86	8.40	June	0.98	Mar.	10.2	114	169	109	87	sw.
Boonville	Cooper	650	5	52 7	96	July 31	− 6	Jan. 10	66	55.51	11.36	May	0.69	Jan.	12.9	119	149	83	133	se.
Carthage	Jasper	962	9	57.7	98	Aug. 2	− 7	Feb. 18	19	52.96	11.95	Sept.	0.70	Mar.	18.5	95	175[b]	73[b]	115[b]	s.
Clinton	Henry	786	50	56.0	100	Aug. 2	− 4	Jan. 10	56	43.69	7.58	June	0.94	Jau.	17.2	123	136	129	100	s.
Eldon	Miller	934	48	55.0	98	July 31†	− 5	Jan. 10†	44	47.98	7.73	June	1.03	Mar.	16.1	112	154[m]	103[m]	95[m]	s.
Fort Leonard Wood	Pulaski	1,107	1	....	99	July 15†	− 5	Jan. 6	1	47.90	9.60	May	0.81	Mar.	11.4	107	154[c]	113[c]	95[c]	s
Harrisonville	Cass	904	65	53.6	97	July 31	− 6	Jan. 10	68	47.89	7.59	Sept.	0.43	Jan.	15.4	117	136	58	171	nw.
Jefferson City	Cole	557	53	53.9	98	Aug. 2	− 8	Jan. 10	61	51.54	9.23	June	1.18	Jan.	19.8	107	148	74	143	s.
Joplin	Jasper	1,008	21	58 7	99	Aug. 2	1	Jan. 8†	38	52.80	13 72	Sept.	0 66	Mar.	....	90	..	..	..	.....
Lakeside	Miller	595	12	56.1	99	July 15†	0	Jan. 4†	12	44.61	7.76	May	0.86	Mar.	19 5	125	124	108	133	sw.
Lamar	Barton	980	55	54.2	98	Aug. 2	− 6	Feb. 18†	62	47.14	9.52	June	0.98	Mar.	11.5	85	179	65	121	sw.
Lebanon	Laclede	1,265	55	54.2	98	July 16	−10	Jan. 10	56	49.39	7.72	June	0.67	Mar.	14.6	106	129	88	148	s.
Lexington	Lafayette	688	58	54 9	99	July 31	− 6	Jan 4	59	44.46	11.86	June	0.41	Jan.	20.1	121	182[a]	105[a]	77[a]	w.
Lockwood	Dade	1,078	37	57 9	101	Aug. 2	− 3	Jan. 8	47	47.41	9.20	June	0.85	Mar.	17.0	104	190	98	77	sw.
Marshall	Saline	779	56	55.9	99	July 13†	− 6	Jan. 4	53	52.81	11.04	June	0 05	Jan.	14.0	92	185	100	80	sw.
Mountain Grove	Wright	1,463	42	56.1	97	July 14†	−10	Jan. 8	46	51 24	6.90	June	1.20	July	14.6	117	124	169	72	se.
Mount Vernon	Lawrence	1,174	31	....	101	Aug. 2	− 4	Feb. 18	43	46 83	6.38	June	1.07	Mar.	15.3	89	98[r]	110[r]	139[r]	nw.
Neosho	Newton	1,011	56	58.2	98	July 31†	−10	Feb. 18	60	55.30	12.35	Sept.	0 94	Mar.	12.9	107	164	93	108	s.
Nevada	Vernon	862	50	57.4	101	Aug. 2	− 2	Jan 8†	51	48 41	12.40	June	1.15	Jan.	13.7	106	157	108	100	sw.
Ozark Beach	Taney	700	3	57.7	101	July 15†	− 6	Jan. 8	18	46.64	7.64	Oct.	1.32	Mar.	8.5	105	160[a]	75[a]	129[a]	s.
Sedalia	Pettis	910	30	56.4	100	July 31	− 6	Jan. 10	32	45.14	10.22	Sept.	0.71	Jan	21.8	110	183	67	115	sw.
Seligman	Barry	1,542	42	56.2	95	Aug. 2	− 8	Jan. 8	40	52.27	8.20	Oct.	0.82	July	5.5	92	178[s]	85[s]	83[s]	s
Seymour(near)	Webster	1,642	37	55.2	95	July 16	− 9	Jan. 8	37	44.06	7.90	June	1.39	July	14.2	94	175	83	107	nw.
Springfield	Greene	1,301	55	55.5	95	July 16†	− 4	Jan. 8†	55	42.96	6.01	June	1.04	Mar.	17.9	118	114	100	151	se.
Sweet Springs	Saline	700	2	55.6	100	July 31	− 6	Jan. 4†	19	46.90	10.77	June	0.41	Jan.	24.8	114	158[b]	151[b]	54[b]	s.
Warrensburg	Johnson	878	56	55.9	101	Aug. 1	− 5	Jan. 4†	63	46.35	11.49	June	0.60	Jan.	20.1	97	147	88	130	sw.
Warsaw	Benton	687	42	56.6	103	Aug. 2	− 7	Jan. 10	48	46.97	12.11	June	1.12	Jan.	14.7	109	105	186	74	w.
Wasola	Ozark	1,294	2	57.5	102	Aug. 2	− 8	Jan. 8	2	44.89	6.62	Dec.	1.61	Mar.	9.4	107	203	88	74	s.
Division means and extremes		.....	..	**56.1**	**103**	**Aug. 2**	**−10**	**Jan. 8†**	..	**47.87**	**13.72**	**Sept.**	**0.05**	**Jan.**	**15.1**	**106**	**157**	**98**	**110**	**sw.**
Southeastern Division																				
Advance	Stoddard	354	6	56.4	102	Aug. 2	−20	Jan. 8	6	44.06	10.30	Aug.	0.75	July	14.4	116	111	103	151	s.
Arcadia	Iron	926	62	55.0	102	Aug. 2	−13	Jan. 8	65	52.40	7.39	June	1.80	Aug.	12.8	120	158	101	106	s.
Birch Tree(near)	Shannon	1,000	48	55.8	102	Aug. 2	−24	Jan. 8	49	51.88	7.52	May	1.71	July	14.5	103	197	70	98	n.
Bragg City	Pemiscot	261	1	59.0	100	Aug. 1	−18	Jan. 8	12	45.96	6.89	Nov.	0.74	July	2.7	89	199	91	75	s.
Campbell	Dunklin	314	17	60.0	102	July 19	−16	Jan. 8	17	47.11	6.94	Aug.	0.92	Sept.	11.9	105	165	127	73	s.
Caruthersville	Pemiscot	265	47	58.5	99	Aug. 2	− 8	Jan. 8	51	45.87	6.73	Aug.	0.80	Sept.	7.4	89	190	54	121	s.
Crystal City	Jefferson	420	9	55.1	99	Aug. 1	− 9	Jan. 8†	9	46.37	8.01	June	1.31	Aug.	17.7	92	89[a]	101[a]	174[a]	w.
Doniphan	Ripley	344	39	57.9	101	Aug. 2	−24	Jan. 8	39	52.11	9.01	Aug.	1.43	Mar.	11.4	109	236	39	90	sw.
Farmington	St. Francois	896	32	57.2	99	Aug. 1	− 8	Jan. 8	46	45.78	5.77	June	2.01	Sept.	14.0	105	117	94	154	s.
Goodland	Iron	1,000	50	54.9	101	Aug. 1†	−15	Jan. 8	50	46.19	6.54	May	1.18	July	14.7	94	200	62	103	s.
Greenville	Wayne	381	34	....	103	July 16	−21	Jan. 8	36	.....	6.79	Nov.	0.38	July	14.4	..	..	..	..	se.
Jackson	Cape Girardeau	428	52	57.7	101	Aug. 1	−14	Jan. 8	53	50.01	7.37	Nov.	1.32	Sept.	12.8	107	117	64	184	s.
Jefferson Barracks	St. Louis	465	37	....	101	Aug. 1	....	.....	30	.....	8.87	June	....	.....	....	..	..	..	..	.....
Koshkonong	Oregon	958	42	58.2	98	Aug. 2	− 8	Jan. 8†	43	64.30	9.47	May	1.94	July	14.0	102	148[e]	78[e]	134[e]	sw.
Licking(near)	Texas	1,170	6	56.3	101	July 16	−11	Jan. 8	6	49.31	9.01	June	0.81	Mar.	13.7	115	190	82	93	sw.
Marble Hill	Bollinger	470	48	56.1	101	Aug. 2	−17	Jan. 8	50	46.43	7.81	Aug.	1.17	Mar.	12.5	87	175	91	99	sw.
Poplar Bluff	Butler	339	38	58.8	104	July 19	−20	Jan. 8	39	49.22	11.19	Aug.	0.64	July	12.5	75	163	120	82	nw.
Rolla	Phelps	1,202	43	54.8	95	July 16	− 7	Jan. 10	59	53.65	10.24	June	1.33	Mar.	17.4	117	93	133	139	s.
St. Louis:																				
City Office	St. Louis City	465	106	57.0	98	Aug. 2	− 5	Jan. 10	106	45.14	7.92	July	1.44	Jan.	21.9	118	134	107	124	sw.
St. Louis Airport	St. Louis	556	6	55.7	100	Aug. 1	− 5	Jan- 10	12	41.64	8.32	June	0.90	Jan.	21.9	114	117	97	151	s.
St. Louis University	St. Louis City	578	31	56.7	100	Aug. 1	− 4	Jan. 10	31	47.47	7.97	July	1.43	Jan.	28.5	122	165	81	119	se.
Washington Univ.	St. Louis	536	5	55.4	99	Aug. 1	− 7	Jan. 10	5	50.07	10.30	June	1.36	Jan.	....	114	..	..	..	.....

Continued on next page

Climatological Data for Year 1942—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, (Degrees, Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Southeastern Division—	*Concluded*																			
Salem	Dent	1,173	39	56.3	98	July 15†	− 8	Jan. 8	42	49.71	8.50	Dec.	1.07	Mar.	10.0	99	187	75	103	s.
Sikeston	Scott	318	36	58.3	106	Aug. 2	−12	Jan. 8	46	41.62	6.27	Aug.	0.32	July	10.5	116	137[a]	133[a]	94[a]	s.
Union	Franklin	520	5	56.2	102	Aug. 2	− 6	Jan. 10	26	49.54	10.54	May	0.94	July	13.2	100	182	49	134	s.
Wappapello Dam	Butler	475	4	57.9	101	Aug. 1†	−18	Jan. 8	4	47.76	9.25	Aug.	0.62	July	11.8	117	143	123	99	sw.
Weingarten	St. Genevieve	833	1	....	..	.....	− 7	Jan. 10†	2	.....	....	.....	....	.....	....	..	..	..	..	.....
West Plains	Howell	1,005	6	55.8	98	July 15†	−23	Jan. 8	6	59.82	7.64	Sept.	2.18	Jan.	16.0	111	104	126	135	s
Willow Springs	Howell	1,238	2	55.7	100	Aug. 2	−20	Jan. 8	37	46.40	6.34	Dec.	1.57	July	13.0	110	161	96	108	s.
Cairo, Ill.	Alexander, Ill.	314	71	59.1	100	Aug. 1	− 5	Jan. 8	72	37.62	5.23	Nov.	0.62	July	9.3	125	93	114	158	s.
Division means	**and extremes**	.....	..	**57.0**	**106**	**Aug. 2**	**−24**	**Jan. 8**	..	**47.89**	**14.51**	**June**	**0.22**	**July**	**13.8**	**105**	**154**	**92**	**119**	**s.**
State means	**and extremes**	.....	..	**55.5**	**106**	**Aug. 2**	**−24**	**Jan. 8**	..	**46.08**	**14.51**	**June**	**0.05**	**Jan.**	**18.9**	**105**	**154**	**97**	**114**	**s.**

† Also on other dates ¶ Estimated • Partially estimated

[a], [b], [c], indicate the number of days missing from records, a, 1; b, 2; c, 3; etc.

(Continued from page 73)

TEMPERATURE

The annual mean temperature for the State was 55.5°, or 0.4° above normal. The highest annual mean was 60.0° at Campbell, and the lowest annual mean was 51.0° at Memphis and Unionville. The highest temperature recorded was 106° at Sikeston on August 2d, and the lowest was 24° below zero at Birch Tree and Doniphan on January 8th.

PRECIPITATION

The average annual precipitation for the State was 46.08 inches, or 5.80 inches more than normal. The greatest annual amount was 64.30 inches at Koshkonong, and the least annual amount was 32.67 inches at Unionville. The greatest local monthly amount was 14.51 inches at Meramec Park in June, and the least local monthly amount was 0.05 inch at Marshall in January. The greatest amount in any twenty-four hours was 7.30 inches at Clifton Hill on June 26th. The average number of days with 0.01 inch or more was 105, or 16 more than normal.

The snowfall averaged 18.9 inches, or 1.0 inch more than normal. The greatest annual snowfall was 50.2 inches at Grant City, and the least annual amount was 2.7 inches at Bragg City. The greatest monthly snowfall was 26.7 inches at Grant City in February.

ERRATA

January 1942, page 2: Number of days clear and partly cloudy at Jefferson City should be 13 and 9, respectively.

March 1942, page 14: Number of days cloudy at Eldon should be 9[a]; page 15: number of days .01 inch or more of precipitation at St. Louis should be 13.

June 1942, page 34: Precipitation on 27th at Lebanon should be .06; total precipitation should be 7.72.

July 1942, page 41: Total precipitation at Washington University(St. Louis) should be 7.38.

October 1942, page 56: Number of days clear, partly cloudy, and cloudy at Eldon should have the (•) omitted; page 59: total precipitation at West Plains should be 5.36.

Monthly and Annual Precipitation for the Year 1942, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northern Division																										
Albany	0.91	+0.08	3.26	+1.64	2.18	+0.49	1.80	−0.99	3.88	+1.20	7.86	+2.62	1.59	−3.04	5.22	+1.62	3.71	−1.84	3.38	+0.59	1.61	−0.10	2.64	+1.77	38.04	+4.04
Amity	0.52	.....	4.28	.....	1.95	.....	2.58	.....	4.83	.....	12.10	.....	2.45	.....	4.47	.....	3.90	.....	2.25	.....	2.65	.....	4.02	.....	46.00	.....
Bethany	0.20	−0.99	3.96	+2.54	1.65	−0.58	1.67	−1.62	3.86	−0.31	7.16	+2.10	1.48	−2.68	4.00	+0.18	4.16	−0.40	2.79	−0.13	2.40	+0.36	2.08	+0.93	35.41	−0.60
Bowling Green	1.00	−0.90	2.39	+0.95	3.32	+1.18	3.30	+0.76	5.22	+1.38	9.02	+5.78	5.43	+2.65	2.33	−1.48	2.81	+0.10	1.71	−0.54	5.20	+2.36	3.85	+1.80	45.58	+14.04
Brookfield	0.40	.....	4.54	.....	1.62	.....	3.59	.....	6.22	.....	11.72	.....	2.86	.....	4.20	.....	1.74	.....	1.81	.....	3.79	.....	2.83	.....	45.32	.....
Brunswick	0.40	−1.19	4.74	+2.93	2.04	−0.66	4.46	+0.63	4.87	+0.26	11.61	+6.50	4.40	+0.29	2.31	−1.63	3.50	−1.31	1.66	−1.34	2.76	+0.57	2.78	+1.11	45.53	+6.16
Canton, Lock and Dam 20	0.60	−1.34	3.80	+2.54	2.72	+0.38	3.26	+0.50	3.15	−2.17	3.04	−1.74	6.01	+3.68	3.21	+0.05	3.63	−0.11	0.73	−1.53	6.21	+3.50	3.12	+1.49	39.48	+5.25
Centralia	0.57	.....	3.28	.....	1.91	.....	3.34	.....	5.77	.....	9.97	.....	4.30	.....	4.21	.....	5.16	.....	1.43	.....	3.26	.....	4.25	.....	47.45	.....
Chillicothe	0.34	−1.14	4.46	+3.01	1.72	−0.76	3.33	+0.11	5.35	+1.26	10.41	+5.68	2.77	−0.65	3.75	−0.21	2.40	−2.38	2.05	−1.09	3.73	+1.61	3.20	+1.78	43.51	+7.22
Clifton Hill	0.32	−1.40	3.93	+2.19	2.14	−0.60	4.54	+1.18	7.02	+2.62	11.82	+7.43	3.44	+0.08	4.17	+0.37	3.22	−1.82	1.54	−0.98	3.16	+1.18	3.23	+1.51	48.53	+12.26
Columbia	0.38	−1.54	3.65	+1.61	2.56	−0.38	2.67	−1.10	4.84	+0.38	7.18	+2.42	4.63	+1.14	3.73	+0.13	4.57	+0.22	1.43	−1.18	3.41	+1.21	4.51	+2.65	43.56	+5.56
Conception	0.22	−0.57	2.24	+1.09	1.82	+0.17	1.36	−1.37	4.50	+0.44	11.87	+6.92	1.74	−2.93	6.74	+3.10	3.80	−0.84	2.30	−0.58	1.41	−0.33	2.38	+1.50	40.38	+6.60
Edgerton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.05	−0.54	2.79	+0.17	2.61	+0.64	2.93	+1.81	.....	.....
Edina	0.23	−1.43	4.47	+3.34	1.93	−0.06	3.45	+0.32	5.68	+1.83	3.82	−1.62	7.43	+4.96	1.85	−2.25	3.10	−1.52	1.06	−1.20	6.16	+3.09	2.15	+0.81	41.33	+6.27
Elsberry	1.46	−0.71	5.61	+3.95	2.16	−0.60	2.36	−0.69	4.18	+0.86	7.06	+3.62	4.12	+2.13	1.88	−1.38	3.10	+0.10	2.06	−0.45	.....	.....	3.46	+1.25	.....	.....
Farber	.....	.....	2.44	+1.07	2.21	−0.20	2.74	+0.15	5.38	+1.26	10.11	+6.28	4.85	+1.92	3.98	−0.32	4.27	+1.81	1.40	−0.67	4.08	+1.06	4.64	+2.64	.....	.....
Fayette	0.71	−1.08	3.71	+2.01	1.99	−0.83	5.20	+1.65	7.68	+3.36	8.35	+3.78	2.83	−0.42	4.45	+0.89	5.68	+0.72	1.66	−1.23	3.82	+1.72	2.84	+1.18	48.92	+11.75
Fulton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.68	+5.28	2.64	−0.65	3.60	−0.05	3.40	−1.09	2.34	−1.08	3.29	+0.98	6.36	+4.35	.....	.....
Gallatin	0.34	−0.88	4.74	+3.15	2.09	−0.23	1.52	−2.04	4.60	−0.12	8.80	+3.74	1.83	−2.29	3.83	+0.03	3.63	−1.57	1.64	−1.54	4.24	+2.16	3.43	+2.15	40.69	+2.56
Gorin	0.69	−0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant City	0.44	−0.53	2.20	+1.09	2.42	+0.41	1.17	−1.79	2.55	−1.68	7.67	+2.67	2.07	−2.56	6.86	+2.92	4.24	−0.45	2.02	−1.02	1.43	−0.42	2.01	+0.95	35.08	−0.41
Hannibal	0.26	−1.46	4.28	+2.42	2.14	−0.46	4.15	+0.96	6.38	+2.03	6.76	+2.86	5.02	+1.93	2.40	−0.94	3.57	−0.40	1.16	−1.23	4.99	+2.93	4.74	+3.20	45.85	+11.84
Hermann	1.30	−0.63	2.66	+1.01	0.96	−1.87	2.80	−1.23	6.68	+2.51	9.38	+5.01	2.62	−0.72	3.11	−0.56	3.74	−0.64	1.99	−1.64	4.08	+1.61	5.28	+3.47	44.60	+6.32
Kahoka	0.47	−1.41	2.39	+1.32	1.11	−1.00	3.62	+0.36	5.19	+0.93	2.78	−2.13	4.75	+2.87	1.44	−1.84	3.89	−0.65	0.62	−1.83	4.98	+1.63	2.34	+0.65	33.58	−1.10
Kansas City Airport	0.14	−1.05	3.16	+1.41	2.62	+0.09	4.58	+1.44	3.68	−0.97	7.35	+2.36	2.69	−1.44	5.80	+1.71	3.15	−1.41	2.68	−0.24	2.74	+0.91	2.43	+1.10	41.02	+3.91
Kansas City University	0.15	.....	2.59	.....	2.05	.....	4.23	.....	4.13	.....	9.94	.....	4.71	.....	8.47	.....	3.68	.....	2.79	.....	3.14	.....	2.41	.....	48.29	.....
Kidder	0.33	−0.89	4.66	+3.12	2.72	+0.53	1.69	−1.59	5.89	+1.24	10.82	+5.85	0.87	−3.01	5.16	+1.20	4.30	−0.90	2.58	−0.49	4.09	+1.94	3.50	+2.23	46.61	+9.23
King City	0.34	−0.80	4.17	+2.67	2.45	+0.39	1.18	−2.12	4.78	+0.57	11.52	+6.21	1.38	−2.16	5.36	+1.68	3.08	−2.34	2.37	−0.53	1.93	−0.03	2.81	+1.73	41.37	+5.27
Kirksville	0.33	−1.19	3.21	+1.68	2.14	−0.80	3.16	−0.94	4.64	−0.69	6.67	+1.61	3.80	−0.50	2.78	−1.34	3.65	−1.53	1.25	−1.91	4.37	+2.25	3.57	+1.81	39.57	−1.55
La Belle	0.44	−1.23	4.19	+2.92	1.95	−0.37	3.49	+0.58	4.61	+0.17	4.22	−1.02	4.49	+2.36	2.96	−1.66	2.81	−1.26	0.76	−1.52	4.73	+1.63	2.56	+1.02	37.21	+1.62
Lawson	0.19	.....	3.68	.....	3.23	.....	4.10	.....	3.50	.....	10.19	.....	1.41	.....	7.92	.....	5.41	.....	2.90	.....	3.80	.....	4.48	.....	50.81	.....
Linneus	0.25	−1.72	4.64	+3.47	1.66	−0.28	4.89	+1.79	6.17	+2.07	9.69	+4.97	2.44	−0.42	3.81	−0.15	2.66	−1.07	2.26	−0.39	3.70	+1.13	2.93	+1.55	45.10	+10.95
Louisiana	0.90	−1.25	2.05	−0.03	1.79	−1.68	2.84	−0.88	6.26	+1.56	7.62	+3.39	4.27	+0.67	2.42	−2.12	4.84	+0.41	1.52	−1.76	5.44	+2.98	3.78	+1.88	43.73	+3.17
Lucerne	0.32	−0.70	2.14	+0.94	1.12	−0.93	1.41	−2.15	3.41	−1.32	9.06	+3.42	2.58	−0.48	5.59	+1.15	2.64	−3.02	2.27	−1.26	3.38	+1.10	3.00	+1.39	36.92	−1.86
Macon	0.56	−1.14	4.26	+2.56	2.43	−0.41	3.76	+0.10	4.82	+0.23	8.25	+3.53	5.51	+2.10	3.43	−0.38	2.66	−1.78	1.26	−1.63	4.17	+1.98	2.76	+1.12	43.87	+6.28
Madison	0.45	.....	3.61	.....	2.48	.....	3.88	.....	5.19	.....	7.75	.....	.....	.....	3.29	.....	3.48	.....	1.54	.....	3.17	.....	3.31	.....	.....	.....
Maryville	0.87	−0.13	1.90	+0.47	2.03	+0.16	1.34	−1.67	4.59	−0.06	10.03	+4.92	2.56	−2.67	8.58	+4.60	3.82	−0.86	2.33	−0.64	1.30	−0.62	2.74	+1.66	42.09	+5.16
Memphis	0.58	−0.95	3.48	+2.51	1.87	−0.49	2.54	−0.66	3.40	−0.61	4.05	−1.08	7.05	+4.25	1.29	−2.68	2.26	−1.92	1.80	−0.13	3.90	+0.91	3.10	+1.82	35.32	+0.97
Mexico	1.35	−0.68	3.96	+2.11	2.56	−0.35	3.89	+0.14	7.10	+2.50	12.00	+7.26	5.44	+2.23	2.15	−1.70	5.32	+0.35	1.78	−1.29	5.83	+3.60	5.45	+3.54	56.83	+17.71
Milan	0.33	−0.84	3.66	+2.28	1.95	−0.30	4.15	+0.18	5.38	+0.56	9.49	+4.39	2.92	−0.16	3.96	−0.28	2.99	−2.55	2.02	−1.95	3.10	+0.92	3.68	+1.87	43.63	+4.12
Moberly	0.30	.....	4.10	.....	2.59	.....	5.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.36	.....	2.72	.....	.....	.....
Monroe City	0.40	−1.51	3.07	+1.66	2.14	−0.75	5.19	+1.52	5.06	+0.66	9.57	+4.49	7.14	+3.48	3.96	−0.36	3.68	−1.14	1.30	−1.30	4.61	+2.29	3.40	+1.47	49.52	+10.51
New Florence	0.93	.....	1.89	.....	1.53	.....	2.71	.....	5.63	.....	7.36	.....	3.14	.....	2.26	.....	3.86	.....	2.33	.....	3.56	.....	5.07	.....	40.27	.....
Oregon	0.92	−0.01	2.20	+0.83	1.68	−0.28	0.64	−2.65	4.29	−0.24	6.26	+0.89	1.29	−2.89	7.33	+3.53	3.06	−2.04	3.13	+0.38	1.58	−0.40	3.09	+2.05	35.47	−0.83
Palmyra	0.25	−1.75	4.35	+2.61	2.04	−0.64	4.75	+1.02	4.68	+0.37	7.67	+2.92	4.15	+0.90	3.16	−0.68	2.47	−2.30	0.98	−1.38	4.54	+2.30	3.28	+1.64	42.32	+5.01
Paris	0.58	−1.21	3.19	+1.76	2.17	−0.10	4.17	+1.70	6.18	+1.68	7.73	+3.50	3.22	+0.58	4.72	+1.14	2.71	−0.56	1.31	−0.56	4.42	+1.43	3.14	+1.26	43.54	+10.71
Perry	0.10	−1.82	2.49	+1.20	2.45	+0.27	3.09	+0.78	6.96	+2.74	7.89	+4.13	3.90	+1.38	3.80	−0.01	3.19	+0.22	1.30	−0.54	3.89	+1.22	1.85	+0.14	40.91	+9.71
Philadelphia	0.63	−1.18	4.59	+2.96	1.99	−0.17	4.59	+2.34	4.42	−0.44	5.25	+0.49	5.88	+2.59	3.93	−0.48	2.08	−1.18	1.05	−0.97	4.36	+1.57	3.27	+1.68	42.04	+7.21
Platte City	0.30	.....	2.45	.....	1.74	.....	2.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Charles	1.43	−0.72	3.07	+1.08	2.17	−1.00	2.54	−1.21	5.40	+1.12	7.80	+3.80	4.26	+1.27	3.25	−0.99	1.23	−2.61	3.60	+0.42	6.12	+4.01	3.71	+1.92	44.58	+7.09
St. Joseph	0.28	−1.00	2.87	+1.20	1.79	−0.69	1.60	−1.59	7.00	+2.30	5.61	+0.66	2.21	−1.57	4.76	+0.93	6.50	+2.58	1.74	−1.15	1.60	+0.02	2.50	+1.21	38.46	+2.90
Saverton, Lock No. 22	0.74	.....	3.45	.....	1.67	.....	3.82	.....	6.07	.....	6.91	.....	6.49	.....	2.98	.....	3.60	.....	1.37	.....	6.07	.....	3.47	.....	46.64	.....
Shelbina	0.47	−1.06	3.86	+2.02	1.94	−0.85	3.65	−0.10	4.77	+0.45	8.02	+3.54	3.99	+0.12	7.13	+3.41	3.30	−1.64	1.21	−1.40	5.00	+2.90	3.17	+1.63	46.51	+9.02
Shelbyville	0.78	−0.79	4.23	+2.84	2.22	−0.03	3.31	+0.59	5.60	+0.98	7.96	+3.38	4.51	+1.79	5.05	+0.82	2.53	−0.62	0.92	−1.20	5.06	+2.08	2.72	+0.92	44.89	+10.76
Steffenville	0.68	−1.33	3.65	+1.88	2.28	−0.73	3.70	+0.12	5.67	+1.10	4.16	−0.38	5.52	+1.41	2.56	−1.48	2.37	−2.13	1.01	−1.72	5.84	+3.65	3.00	+1.31	40.44	+1.70
Tarkio	1.17	+0.43	1.50	+0.22	2.73	+1.06	1.53	−1.71	7.65	+3.11	10.15	+5.19	1.94	−2.21	5.40	+1.50	4.09	−0.15	2.78	−0.03	1.38	−0.36	2.38	+1.42	42.70	+8.47
Trenton	0.37	−0.97	4.01	+2.43	1.68	−0.77	2.03	−1.55	5.01	+0.31	6.62	+1.58	1.40	−2.67	2.99	−0.89	4.86	+0.11	1.90	−1.23	3.96	+1.84	4.30	+2.89	39.13	+1.08
Troy	1.40	−0.60	2.38	+0.85	1.32	−1.40	2.56	−0.45	3.98	+0.09	5.97	+2.31	5.16	+2.81	1.64	−2.20	2.57	−0.65	1.84	−0.87	5.05	+2.06	4.49	+2.49	38.36	+4.44
Unionville	0.30	−1.42	2.76	+0.99	1.13	−1.37	1.81	−1.89	2.75	−2.50	4.24	−0.95	3.55	−0.57	2.97	−1.31	3.87	−1.22	1.80	−1.33	3.72	+1.52	3.73	+2.02	32.67	−8.03
Warrenton	1.42	−0.77	2.91	+1.02	1.92	−1.26	2.64	1.40	5.23	+0.83	7.16	+3.38	2.33	−0.81	2.78	−0.89	4.16	−0.20	2.13	−1.31	4.52	+1.90	5.15	+3.07	42.35	+3.56
Keokuk, Iowa	0.52	−1.04	3.38	+1.83	1.82	−0.56	2.40	−0.59	3.49	−0.44	3.28	−0.85	4.75	+1.34	1.55	−1.65	5.71	+1.87	0.69	−1.57	4.14	+2.20	3.11	+1.66	34.84	+2.20
Division means	**0.57**	**−1.06**	**3.43**	**+1.82**	**2.05**	**−0.43**	**3.07**	**−0.31**	**5.09**	**+0.49**	**8.01**	**+3.27**	**3.68**	**0.00**	**3.98**	**+0.23**	**3.58**	**−0.60**	**1.83**	**−0.86**	**3.81**	**+1.58**	**3.38**	**+1.82**	**42.48**	**+5.96**
Southwestern Division																										
Altona	0.66	.....	1.33	.....	2.10	.....	2.97	.....	6.72	.....	8.66	.....	3.25	.....	3.07	.....	8.15	.....	3.62	.....	2.99	.....	3.26	.....	46.78	.....
Anderson(near)	.....	.....	1.77	−0.01	1.15	−2.55	8.11	+3.42	2.24	−3.51	6.75	+0.82	0.45	−3.96	5.46	+1.34	6.86	+2.98	7.43	+3.54	1.71	−1.64	3.35	+1.00	.....	.....
Appleton City	0.58	−1.26	1.53	−0.14	1.81	−1.34	3.22	−0.91	5.27	+0.47	10.54	+5.52	2.78	−1.53	3.22	−0.74	8.32	+3.94	3.08	+0.12	2.11	−0.19	3.40	+1.81	45.86	+5.75
Bolivar	1.14	−0.79	2.49	+0.39	0.98	−2.45	4.22	+0.05	4.23	−1.12	8.40	+3.09	2.95	−0.77	3.23	−0.63	4.48	+0.27	3.23	−0.02	2.86	+0.28	4.65	+2.31	42.86	+0.61
Boonville	0.69	−1.03	2.63	+0.85	2.02	−1.02	3.29	−0.58	11.36	+6.75	8.79	+3.74	9.32	+6.08	2.70	−1.85	7.30	+2.11	1.72	−1.50	2.59	+0.38	3.10	+1.40	55.51	+15.33
Buffalo	1.55	−0.56	2.69	+0.93	0.91	−2.00	3.73	+0.06	3.69	−1.51	11.43	+6.41	1.99	−0.97	2.65	−1.47	4.90	+1.55	3.39	+0.57	3.83	+0.43	6.95	+4.88	47.71	+8.32
Butler	0.49	.....	1.71	.....	1.98	.....	3.03	.....	3.81	.....	10.78	.....	2.07	.....	6.27	.....	7.22	.....	4.29	.....	3.43	.....	3.67	.....	48.75	.....
Caplinger Mills	0.92	−1.00	1.81	+0.50	0.95	−1.78	3.17	−0.42	4.40	−0.47	9.33	+3.17	4.47	+0.71	4.10	−0.45	7.52	+3.80	2.95	−0.93	3.00	+0.24	4.72	+3.02	47.34	+6.39
Carthage	2.16	.....	2.38	.....	0.70	.....	5.29	.....	4.25	.....	7.31	.....	2.95	.....	5.42	.....	11.95	.....	4.77	.....	2.32	.....	3.46	.....	52.96	.....
Clinton	0.94	−1.09	2.47	+0.52	1.73	−1.63	3.45	−0.72	5.17	+0.34	7.58	+2.68	2.86	−0.57	3.03	−0.62	7.01	+2.49	2.63	−0.82	3.05	+0.89	3.77	+1.90	43.69	+3.37
Concordia	0.50	−1.04	2.48	+1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.41	−1.39	3.11	+0.89	2.79	+1.02	.....	.....
Crocker	1.82	−0.86	2.65	+0.76	0.94	−1.29	4.69	+0.89	8.18	+4.38	10.12	+7.17	2.24	−1.84	7.73	+4.00	3.99	−0.08	3.33	+0.99	4.59	+2.46	6.67	+4.51	56.95	+21.09
Eldon	1.53	−0.23	2.17	+0.35	1.03	−2.01	2.93	−1.23	7.61	+3.31	7.73	+3.69	3.39	+0.17	7.15	+3.49	4.24	0.38	2.08	−1.62	3.06	+0.61	5.01	+3.25	47.93	+9.40
Eldorado Springs	1.35	−0.87	1.58	−0.90	1.63	−1.30	3.82	−0.41	3.99	−1.16	10.37	+5.41	3.35	−0.97	4.54	+1.43	10.00	+6.59	2.85	+0.29	2.14	−0.25	4.12	+1.93	49.74	+9.79
Fort Leonard Wood	1.56	.....	1.69	.....	0.81	.....	2.80	.....	9.60	.....	7.83	.....	2.83	.....	3.02	.....	4.55	.....	2.81	.....	5.17	.....	5.32	.....	47.90	.....
Galena	1.75	−0.92	1.70	−0.21	0.83	−2.51	7.06	+2.94	3.57	−1.57	4.84	+0.08	1.40	−2.36	3.69	−0.41	4.68	+1.20	5.71	+2.23	5.13	+1.83	5.38	+3.21	45.74	+3.48
Hailey	3.65	+0.13	2.82	+1.02	1.63	−1.85	5.45	+1.06	3.57	−1.67	5.23	−0.35	2.26	−1.43	3.87	−1.07	4.70	+0.93	6.78	+2.48	5.25	+2.14	5.39	+3.07	50.02	+4.46
Harrisonville	0.43	−1.14	1.76	+0.03	3.22	+0.42	6.00	+2.62	5.36	+0.93	6.69	+1.90	4.98	+1.37	3.58	−0.60	7.59	+2.69	2.73	−0.24	2.98	+0.84	2.57	+1.12	47.89	+9.94
Higginsville	0.22	.....	2.04	.....	2.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jefferson City	1.18	−0.80	2.40	+0.64	1.14	−1.92	2.80	−1.18	8.71	+4.30	9.23	+5.00	6.00	+2.89	3.76	−0.07	4.73	+0.50	2.50	−1.07	2.84	+0.45	6.45	+4.51	51.54	+13.25
Joplin	1.92	−0.24	2.26	+0.58	0.66	−2.54	6.11	+1.41	4.40	−0.96	6.86	+0.86	3.27	−1.35	3.91	−0.06	13.72	+9.80	4.23	+0.78	2.34	−0.43	3.12	+1.23	52.80	+9.08
Lakeside	1.48	−0.70	2.62	+0.80	0.86	−1.89	2.39	−0.59	7.76	+3.49	7.24	+2.63	2.21	+0.06	6.14	+2.97	3.28	−1.12	2.70	−0.11	2.93	−0.78	5.00	+2.70	44.61	+7.46
Lamar	1.49	−0.34	1.75	−0.02	0.98	−2.21	6.10	+1.58	2.77	−2.49	9.52	+3.98	2.88	−1.34	4.05	−0.24	6.00	+1.45	2.82	−0.79	4.25	+1.72	4.53	+2.65	47.14	+3.95
Lebanon	1.49	−1.15	2.58	+0.39	0.67	−2.81	5.40	+1.05	5.70	+0.49	7.72	+2.55	2.60	−1.36	2.57	−1.92	5.36	+0.87	4.02	+0.25	5.32	+2.68	5.90	+3.68	49.39	+4.72
Lexington	0.41	−1.11	3.41	+1.57	2.61	−0.17	4.24	+0.41	3.81	−1.15	11.80	+7.31	1.84	−2.17	2.47	−1.05	4.36	−0.41	2.99	−0.04	2.94	+0.82	3.52	+1.93	44.46	+5.97
Lockwood	2.10	+0.24	2.00	+0.27	0.85	−2.71	5.55	+1.02	3.56	−1.76	9.20	+3.52	3.44	−1.32	4.24	−0.46	7.21	+2.43	3.25	−0.65	2.19	−0.65	3.82	+1.68	47.41	+1.61
Manes	1.36	.....	2.92	.....	1.10	.....	4.55	.....	5.18	.....	9.08	.....	1.26	.....	.....	.....	.....	.....	1.64	−1.49	4.11	+1.79	2.34	+0.59	52.81	+12.99
Marshall	0.05	−1.60	3.53	+1.75	2.28	−0.64	5.99	+2.10	9.84	+5.23	11.01	+6.24	3.46	−0.11	3.29	−0.61	5.24	−0.26	1.64	−1.49	4.11	+1.79	2.34	+0.59	52.81	+12.99
Mountain Grove	2.33	−0.40	3.21	+0.98	1.21	−2.66	5.09	+0.57	6.85	+2.39	6.90	+1.96	1.20	−2.69	3.27	−1.07	5.41	+1.35	5.39	+1.93	5.06	+2.11	5.32	+2.91	51.24	+7.38
Mount Vernon	2.31	−0.37	2.40	−0.20	1.07	−2.82	5.59	+1.14	2.78	−2.73	6.38	+1.12	1.85	−3.34	4.47	−0.01	6.30	+2.46	5.67	+2.29	3.51	+0.57	4.47	+1.93	46.83	+0.04
Neosho	2.51	+0.04	2.19	+0.20	0.94	−2.61	8.55	+3.99	2.11	−3.45	7.87	+1.90	1.52	−3.13	5.70	+1.33	12.35	+8.06	4.74	+1.05	3.23	−0.07	3.59	+1.31	55.30	+8.62
Nevada	1.15	−0.65	1.34	−0.41	2.48	−0.39	4.35	+0.06	2.91	−2.92	12.40	+6.95	2.43	−1.23	4.17	+0.40	9.64	+5.33	1.88	−1.19	2.19	+0.04	3.47	+1.72	48.41	+8.58
Osceola	1.06	−1.07	1.82	+0.10	1.38	−1.81	2.95	−1.43	6.15	+0.68	7.48	+2.25	3.15	−0.71	2.41	−1.66	7.32	+2.51	2.03	−1.18	2.27	−0.51	3.38	+1.25	41.40	−1.53

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Monthly and Annual Precipitation for the Year 1942, with Departures from Normal — Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Southwestern Division – Concluded																										
Ozark Beach	1.92	−1.05	3.28	+1.18	1.32	−1.77	4.22	−0.25	4.72	−0.50	3.14	−2.74	1.73	−1.66	4.84	+0.51	2.36	−0.83	7.61	+3.77	6.14	+3.37	5.33	+2.58	46.64	+2.91
Plensmil Hill	0.34	.....	2.90	.....	3.06	.....	6.78	.....	9.44	.....	9.22	.....	4.50	.....	3.73	.....	6.43	.....	3.80	.....	2.32	.....	3.51	.....	56.63	.....
Roby	2.04	.....	3.03	.....	0.91	.....	3.69	.....	6.64	.....	5.38	.....	1.88	.....	1.64	.....	4.77	.....	6.15	.....	3.60	.....	5.90	.....	45.63	.....
St. Thomas(near)	1.75	−0.73	2.25	+0.92	0.60	−1.91	4.00	+0.84	7.68	+3.30	10.32	+5.00	5.30	+2.96	1.74	−1.95	5.51	+0.65	3.25	−0.64	2.67	−0.53	5.61	+3.30	50.68	+11.21
Sedalia	0.71	−1.54	3.14	+1.00	3.48	+0.65	3.20	−0.53	6.09	+1.55	6.47	+1.19	1.06	−3.38	1.48	−3.70	10.22	+5.32	2.66	−0.02	3.45	+1.83	3.18	+1.90	45.14	+4.27
Seligman	2.42	−0.37	2.04	+0.20	1.19	−2.41	6.23	+2.17	3.35	−2.09	7.16	+2.21	0.82	−3.30	3.41	−0.56	6.67	+2.99	8.20	+4.74	6.58	+3.49	4.17	+1.97	52.27	+9.04
Seymour(near)	1.72	−0.87	2.65	+0.47	1.48	−2.18	4.09	−0.23	5.87	+1.01	7.90	+2.56	1.39	−2.55	1.48	−2.76	3.83	−0.19	5.24	+1.76	3.31	+0.45	5.07	+2.81	41.06	+0.31
Springfield	1.55	−0.79	2.19	−0.16	1.01	−2.35	5.19	+1.33	2.72	−2.47	6.01	+1.33	2.96	−1.25	2.91	−1.18	4.53	+1.01	3.68	+0.63	4.43	+1.64	5.75	+3.44	42.96	+1.18
Slover	0.51	−1.17	1.70	+0.27	1.50	−1.13	2.53	−1.29	4.99	+0.18	7.76	+2.41	1.49	−1.86	2.93	−0.99	7.11	+3.04	2.73	−1.29	2.34	−0.44	4.63	+2.49	40.22	+0.22
Sweet Springs	0.41	.....	3.00	.....	2.03	.....	4.93	.....	6.20	.....	10.77	.....	2.72	.....	2.20	.....	6.42	.....	2.06	.....	2.91	.....	3.25	.....	46.90	.....
Warrensburg	0.60	−1.18	2.01	+0.13	1.46	−1.63	4.39	+0.73	3.69	−1.03	11.49	+6.43	2.03	−1.88	1.40	−2.57	10.64	+5.86	3.94	+0.92	2.56	+0.34	2.08	+0.54	46.35	+6.66
Warsaw	1.12	−1.02	1.79	−0.45	1.42	−2.13	2.75	−1.71	6.00	+1.00	12.11	+6.81	3.45	−0.56	3.26	−1.36	7.10	+2.07	2.37	−1.43	2.04	−0.60	3.56	+1.44	46.97	+2.06
Wasola	2.22	.....	3.18	.....	1.61	.....	5.15	.....	3.59	.....	4.48	.....	0.98	.....	4.91	.....	1.79	.....	3.95	.....	6.41	.....	6.62	.....	44.89	.....
Waverly	0.22	−1.32	3.16	+1.50	2.42	−0.34	5.12	+1.11	5.39	+0.78	12.70	+7.74	1.46	−2.92	2.79	−0.90	1.52	−0.82	1.88	−1.42	2.50	+0.22	3.21	+1.63	45.37	+5.56
Division means	**1.30**	**−0.87**	**2.35**	**−0.41**	**1.48**	**−1.59**	**4.56**	**+0.45**	**5.37**	**+0.29**	**8.45**	**+3.39**	**2.72**	**−0.93**	**3.68**	**−0.25**	**6.51**	**+2.25**	**3.71**	**+0.56**	**3.42**	**+0.77**	**4.32**	**+2.25**	**47.87**	**+6.73**
Southeastern Division																										
Advance	3.10	.....	3.26	.....	2.79	.....	4.34	.....	3.43	.....	3.91	.....	0.75	.....	10.30	.....	1.77	.....	2.43	.....	6.23	.....	1.72	.....	44.06	.....
Alton(near)	3.46	.....	2.48	.....	1.71	.....	7.84	.....	7.46	.....	3.59	.....	0.59	.....	8.42	.....	1.87	.....	2.58	.....	7.19	.....	6.57	.....	53.76	.....
Annapolis	3.61	.....	3.95	.....	2.97	.....	3.16	.....	6.20	.....	5.23	.....	2.70	.....	2.86	.....	3.43	.....	3.12	.....	6.42	.....	4.99	.....	48.64	.....
Arcadia	3.52	+0.53	4.27	+1.79	3.53	−0.52	3.09	−1.73	5.57	+1.33	7.39	+3.25	3.85	−0.27	1.80	−2.57	3.01	−0.97	5.46	+2.01	6.15	+3.03	4.76	+1.91	52.10	+7.79
Belleview	3.30	.....	3.52	.....	3.46	.....	3.24	.....	6.05	.....	7.44	.....	3.96	.....	3.78	.....	2.79	.....	5.62	.....	4.74	.....	5.38	.....	53.28	.....
Birch Tree(near)	4.02	+0.84	2.83	+0.33	2.71	−1.27	3.64	−1.12	7.52	+3.17	4.99	+0.58	1.71	−1.87	4.94	+0.18	2.50	−1.18	4.45	+1.17	7.12	+3.96	5.45	+2.70	51.88	+7.49
Bragg City	3.84	−1.16	4.09	+0.44	4.07	−1.21	5.17	+1.17	2.69	−0.39	5.44	+2.03	0.74	−3.24	5.79	+2.30	1.75	−2.10	2.58	+0.09	6.89	+3.12	2.91	−1.19	45.96	−0.14
Campbell	4.58	−0.72	4.18	+0.85	3.93	−1.99	5.41	+1.15	2.29	−2.72	4.88	+0.64	2.05	−1.43	6.94	+0.96	0.92	−2.95	2.22	−0.88	6.53	+2.83	3.18	−0.77	47.11	−5.04
Cape Girardeau	4.02	+0.04	4.54	+2.14	3.65	−0.19	3.78	−0.10	5.43	+1.36	6.22	+1.92	1.29	−2.13	6.74	+2.84	1.63	−2.38	2.88	−0.42	8.37	+4.79	1.72	−1.95	50.27	+5.92
Carruthersville	4.58	−0.61	4.23	+0.85	4.62	+0.16	4.42	−0.10	1.25	−3.19	4.45	+0.64	2.17	−1.12	6.73	+3.04	0.80	−2.41	3.11	−0.25	6.28	+2.43	3.23	−1.31	45.87	−1.87
Centerville	3.21	.....	3.62	.....	2.86	.....	3.55	.....	6.26	.....	6.19	.....	1.01	.....	3.00	.....	2.37	.....	7.78	.....	5.85	.....	4.61	.....	50.34	.....
Crystal City	2.24	.....	2.62	.....	2.67	.....	2.61	.....	5.50	.....	8.01	.....	3.95	.....	1.34	.....	3.23	.....	3.32	.....	5.66	.....	5.22	.....	46.37	.....
Deering	3.98	.....	4.32	.....	4.41	.....	5.23	.....	2.52	.....	4.57	.....	0.93	.....	6.31	.....	1.02	.....	2.40	.....	4.77	.....	2.93	.....	43.39	.....
Dexter	5.70	+0.66	3.89	+0.81	2.78	−2.10	5.21	+0.62	2.60	−2.19	4.88	+0.47	0.70	−2.42	7.21	+3.09	1.51	−3.01	2.84	−1.42	5.03	+1.11	2.92	−1.07	45.27	−5.45
Doniphan	4.32	+0.22	3.27	−0.04	1.43	−2.96	6.11	+1.18	5.21	+0.85	4.23	−0.13	3.29	−0.75	9.01	+4.77	2.69	−0.92	3.08	+0.02	5.82	+2.40	3.65	−0.07	52.11	+4.57
Farmington	2.90	−0.24	3.08	+0.56	3.18	−0.74	3.85	−0.67	5.04	−0.03	5.77	+1.89	3.25	−0.31	2.59	−1.71	2.01	−1.79	5.53	+2.09	4.74	+1.92	3.84	+1.04	45.78	+2.01
Fisk	5.83	+0.82	3.26	0.00	2.43	−2.39	5.69	+1.99	3.49	−0.01	6.01	+2.15	0.96	−2.42	7.66	+4.41	0.70	−3.54	1.84	−1.12	4.74	+2.08	1.83	−1.64	44.44	+0.33
Fredericktown	3.40	−0.31	3.13	+0.50	3.90	+0.25	2.83	−1.65	5.74	+1.65	6.40	+2.17	3.39	+0.17	4.58	+0.32	2.07	−1.89	2.55	−1.84	5.42	+2.10	3.84	+0.67	47.25	+2.14
Gerald	1.16	.....	1.32	.....	1.74	.....	2.58	.....	9.63	.....	13.14	.....	1.52	.....	2.71	.....	2.73	.....	3.58	.....	4.23	.....	5.75	.....	50.09	.....
Goodland	3.14	+0.44	3.00	+0.72	2.91	−0.98	2.96	−1.93	6.54	+2.03	5.92	+1.86	1.18	−2.51	2.07	−2.17	2.82	−1.04	4.60	+1.01	6.33	+3.61	4.72	+2.27	46.19	+3.31
Greenville	3.76	+0.44	3.08	+0.36	3.27	−0.99	3.79	−0.91	6.56	+2.38	4.22	−0.47	0.38	−3.38	.....	.....	2.40	−0.92	3.43	+0.15	6.79	+3.43	4.44	+1.08	.....	.....
Jackson	4.34	+0.40	4.71	+1.83	3.56	−0.61	4.45	+0.11	5.07	+0.80	6.00	+1.31	1.53	−2.01	5.27	+1.19	1.32	−2.70	3.63	+0.11	7.37	+3.99	2.76	−0.67	50.01	+3.75
Jefferson Barracks	.....	.....	.....	.....	1.81	−1.00	2.02	−1.18	5.29	+0.94	8.87	+4.15	3.76	−0.53	2.91	−0.69	3.47	+0.60	2.47	−0.64	4.06	+0.57	5.07	+2.90	.....	.....
Jerome	2.35	+0.37	2.55	+0.23	0.95	−1.90	2.86	−0.97	8.26	+3.95	14.50	†10.75	3.33	+0.03	4.09	−0.19	3.91	+0.32	2.80	+0.78	4.20	+1.73	6.60	+4.77	56.40	+19.87
Koshkonong	3.27	−0.35	2.92	+0.06	3.66	−0.41	6.56	+1.54	9.47	+4.92	5.35	+0.85	1.94	−1.83	8.22	+4.06	6.25	+2.61	3.74	+0.52	7.42	+4.16	5.50	+2.02	64.30	+18.12
Leeper	2.79	−1.11	2.85	+0.20	2.82	−0.82	4.87	−0.05	5.40	+1.00	5.01	−0.43	¶0.84	−2.48	5.31	+1.20	2.40	−0.83	3.20	−0.71	6.94	+3.56	4.90	+1.12	47.33	+0.65
Licking(near)	2.28	.....	3.28	.....	0.81	.....	3.30	.....	6.70	.....	9.01	.....	1.86	.....	2.32	.....	3.57	.....	6.61	.....	3.49	.....	6.08	.....	49.31	.....
Marble Hill	3.69	−0.18	2.64	−0.44	1.17	−3.11	3.47	−1.02	5.87	+1.38	3.78	−0.70	2.82	−1.20	7.81	+3.69	1.62	−2.26	4.68	+1.26	5.65	+2.10	3.23	−0.44	46.43	−0.92
Meramec Park	1.84	.....	4.65	.....	2.10	.....	4.52	.....	8.43	.....	14.51	.....	0.59	.....	1.72	.....	3.69	.....	4.15	.....	4.59	.....	6.73	.....	57.52	.....
Morehouse	4.01	−0.90	4.00	+0.26	3.35	−1.56	5.15	+0.30	3.29	−0.99	4.56	+0.33	0.33	−2.68	8.59	+4.68	0.44	−3.48	2.83	−0.70	5.69	+2.06	2.19	−2.03	44.43	−4.71
New Madrid	4.71	−0.78	4.00	+0.25	3.88	−0.95	4.57	−0.01	2.51	−1.92	3.76	−0.74	1.11	−2.86	4.49	+0.39	0.75	−2.84	2.27	−1.50	4.57	+0.54	2.38	−2.23	39.00	−12.65
Owensville	2.06	+0.24	1.78	+0.12	0.93	−2.39	2.42	−0.89	9.08	+4.28	10.31	+5.66	2.56	−1.06	2.93	−0.91	2.57	−0.92	2.80	−0.63	3.64	+0.83	6.90	+4.57	47.98	+8.90
Pacific	1.10	−1.26	2.15	+0.01	1.31	−2.40	1.90	−2.27	7.17	+2.22	12.36	+7.83	1.58	−2.06	2.35	−1.34	1.17	−2.63	3.21	+0.18	6.10	+3.35	4.78	+2.58	45.18	+4.21
Parma	4.11	−1.15	3.66	+0.78	4.95	−0.41	4.42	+0.18	3.69	−0.47	5.56	+2.08	0.85	−3.04	6.14	+1.57	0.43	−4.62	2.09	−1.05	5.24	+0.77	2.78	−2.00	43.92	−7.36
Perryville	3.35	.....	3.95	.....	3.95	.....	3.00	.....	4.59	.....	8.29	.....	1.13	.....	4.55	.....	1.88	.....	2.19	.....	4.62	.....	5.11	.....	46.61	.....
Poplar Bluff	5.24	+0.82	2.36	−0.53	1.74	−2.62	6.12	+1.61	3.82	−0.70	4.16	+0.04	0.64	−3.30	11.19	+6.62	3.30	−0.59	3.22	−0.44	4.82	+1.34	2.61	−1.38	49.22	+0.87
Richwoods	0.90	.....	3.65	.....	2.45	.....	1.56	.....	7.19	.....	8.66	.....	1.95	.....	2.65	.....	2.94	.....	3.05	.....	5.05	.....	5.24	.....	45.29	.....
Rolla	1.68	−0.78	2.52	+0.47	1.33	−2.30	2.97	−1.25	8.79	+4.04	10.24	+5.83	3.14	−0.25	4.65	+0.21	3.98	−0.16	4.08	+0.62	4.41	+1.73	5.86	+3.68	53.65	+11.84
St. Louis:																										
City Office	1.44	−0.90	2.54	−0.02	1.92	−1.46	2.19	−1.62	4.99	+0.65	7.24	+3.42	7.92	+4.94	3.60	+0.61	1.99	−1.47	2.30	−0.42	4.40	+1.57	4.61	+2.40	45.14	+7.79
Airport	0.90	−1.36	2.53	+0.29	1.75	−1.13	2.05	−1.57	3.97	+0.05	8.32	+4.03	5.41	+2.75	3.75	+0.73	1.46	−2.91	3.19	−0.23	5.07	+2.67	3.24	+1.51	41.64	+4.83
St. Louis University	1.43	−1.17	2.41	+0.10	2.13	−1.21	2.76	−1.10	5.00	+0.81	7.19	+3.60	7.97	+4.79	3.80	−0.14	3.26	−0.50	2.45	−0.71	4.52	+1.98	4.55	+2.11	47.47	+8.56
Washington University	1.36	.....	3.12	.....	1.99	.....	2.08	.....	4.54	.....	10.30	.....	7.38	.....	3.40	.....	4.86	.....	2.65	.....	4.41	.....	3.98	.....	50.07	.....
Salem	2.22	−0.50	3.63	+1.35	1.07	−2.80	3.29	−1.21	7.09	+2.58	8.26	+3.61	2.69	−0.81	1.71	−2.86	3.37	−0.51	3.72	+0.10	4.16	+1.52	8.50	+5.96	49.71	+6.43
Sikeston	4.04	−0.82	3.99	+0.77	4.58	+0.12	4.60	−0.02	3.26	−0.98	3.15	−1.04	0.32	−3.40	6.27	+2.47	0.81	−3.07	2.39	−0.88	5.57	+2.01	2.64	−1.30	41.62	−6.14
Union	1.43	−0.89	2.49	+0.29	1.77	−1.53	2.18	−2.18	10.54	+6.00	9.58	+5.28	0.94	−3.00	3.06	−1.64	3.28	−0.91	3.74	+0.26	4.68	+1.93	5.85	+2.64	49.54	+6.25
Valley Park	1.27	−0.99	2.14	+0.25	1.67	−1.70	2.09	−2.03	4.58	+0.11	7.93	+4.05	3.03	+0.11	2.21	−1.84	2.52	−1.02	2.66	−0.73	4.37	+1.77	3.85	−1.68	38.32	−3.70
Van Buren	1.85	.....	1.24	.....	1.33	.....	2.82	.....	6.54	.....	5.71	.....	0.83	.....	5.52	.....	2.02	.....	3.14	.....	6.39	.....	5.85	.....	43.24	.....
Wappapello Dam	4.55	.....	3.46	.....	2.38	.....	5.64	.....	3.68	.....	3.47	.....	0.62	.....	9.25	.....	2.84	.....	2.39	.....	6.50	.....	2.98	.....	47.76	.....
Weingarten	2.32	.....	2.92	.....	2.51	.....	1.84	.....	3.96	.....	5.01	.....						.....	.....	.....	.....	.....	.....						.....	.....
West Plains	2.18	.....	2.52	.....	2.38	.....	4.56	.....	7.52	.....	6.57	.....	3.09	.....	4.83	.....	7.64	.....	5.36	.....	7.10	.....	6.07	.....	59.82	.....
Williamsville	4.17	−0.29	4.33	+1.69	2.64	−1.26	6.12	+1.40	5.12	+0.65	5.84	+0.01	1.01	−3.02	7.37	+2.03	2.89	−0.48	3.22	−0.89	7.62	+4.03	4.65	+0.29	54.98	+4.16
Willow Springs(near)	2.32	−0.86	2.70	+0.14	1.75	−2.49	5.17	+0.33	5.72	+1.12	3.39	−1.44	1.57	−2.23	4.02	−0.06	3.89	−0.19	3.55	+0.23	5.98	+2.64	6.34	+3.54	46.40	+0.73
Zalma	4.41	.....	3.21	.....	3.05	.....	4.54	.....	4.04	.....	5.41	.....	0.22	.....	8.80	.....	1.55	.....	2.65	.....	6.70	.....	2.45	.....	47.03	.....
Cairo, Ill	3.12	−0.64	4.52	+1.39	3.07	−0.68	4.19	+0.47	3.21	−0.50	3.51	−0.32	0.62	−2.45	5.05	+2.03	0.96	−1.93	1.96	−0.80	5.23	+1.55	2.18	−1.22	37.62	−3.10
Division means	**3.10**	**−0.23**	**3.23**	**+0.56**	**2.63**	**−1.34**	**3.87**	**−0.48**	**5.47**	**+1.07**	**6.64**	**+2.38**	**2.15**	**−1.32**	**5.05**	**+1.23**	**2.47**	**−1.13**	**3.36**	**+0.28**	**5.58**	**+2.33**	**4.34**	**+1.40**	**47.89**	**+4.71**
State means	**1.66**	**−0.73**	**3.00**	**+0.93**	**2.05**	**−1.12**	**3.83**	**−0.12**	**5.31**	**+0.62**	**7.70**	**+3.01**	**2.85**	**−0.75**	**4.24**	**+0.41**	**4.19**	**+0.18**	**2.97**	**0.00**	**4.27**	**+1.56**	**4.01**	**+1.82**	**46.08**	**+5.80**

¶ Estimated ||||| Incomplete || Partially estimated † Indicates plus.

Monthly and Annual Mean Temperatures for the Year 1942, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northern Division																										
Albany	26.8	.....	28.6	.....	41.6	.....	57.4	.....	61.3	.....	70.8	.....	77.8	.....	73.8	.....	65.0	.....	56.5	.....	43.6	.....	26.9	.....	52.5	.....
Bethany	26.8	+ 2.0	28.3	+ 0.8	41.0	+ 0.7	57.0	+ 5.5	61.3	− 1.2	71.1	− 0.9	77.4	+ 1.1	74.0	− 1.0	65.3	− 1.8	56.9	+ 2.1	43.9	+ 1.1	26.8	− 3.3	52.5	+ 0.4
Brookfield	28.6	.....	31.0	.....	44.1	.....	59.0	.....	63.6	.....	73.0	.....	78.1	.....	73.5	.....	66.6	.....	56.8	.....	46.0	.....	28.8	.....	54.1	.....
Brunswick	28.8	+ 2.1	29.8	0.0	42.6	+ 0.7	57.9	+ 3.7	62.7	− 1.5	73.0	0.0	79.2	+ 3.1	75.6	+ 1.4	66.2	− 0.8	56.7	+ 1.4	44.5	+ 2.9	28.6	− 2.0	53.8	+ 0.9
Canton, Lock & Dam No. 20	28.0	.....	29.3	.....	43.0	.....	56.9	.....	63.4	.....	73.0	.....	77.8	.....	74.5	.....	67.0	.....	57.0	.....	46.6	.....	28.0	.....	53.7	.....
Chillicothe	27.8	+ 3.4	28.6	− 3.7	41.2	− 0.5	57.2	+ 5.2	62.2	− 0.7	71.6	− 0.7	78.4	+ 1.4	73.9	− 1.6	65.0	− 2.5	56.4	+ 1.4	43.8	+ 2.5	27.6	− 2.3	52.8	+ 0.2
Clifton Hill	30.1	+ 2.0	30.2	0.0	42.8	+ 0.6	58 3	+ 4.8	63.0	− 0.6	72.4	0.0	78.2	+ 1.8	74.6	− 1.4	66.8	− 1.8	56.8	+ 0.1	46.8	+ 3.4	30.0	− 1.0	54.2	+ 0.7
Columbia	31.1	+ 0.2	32.4	0.0	45.3	+ 2.4	60.4	+ 5.6	64.0	− 1.0	73.7	+ 0.3	79.2	+ 1.9	75.4	− 0.9	67.6	− 1.8	57.7	+ 0.8	47.6	+ 3.5	31.3	− 2.7	55.5	+ 0.7
Conception	26.2	+ 1.5	27.6	− 0.6	40.3	+ 0.5	58.0	+ 5.8	61.8	− 0.3	72.2	+ 0.7	78.6	+ 2 0	74.5	− 0.2	65.3	− 1.9	56.8	+ 1.4	42.4	+ 1.0	26.2	− 3.0	52.5	+ 0.6
Edgerton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.0[g]	− 2.3	44.6	+ 2.8	28.6	− 1.8	.....	.....
Elsberry	30.6[¶]	− 1.0	33.1	− 0.7	46.4[a]	+ 2.9	58.6[a]	+ 5.0	64.6	− 0.1	74.0	− 0.4	79.6	+ 0.2	73.4[a]	− 3.1	67.0[d]	− 2.3	57.8	+ 0.3	....	.....	31.2	− 3.2	....	.....
Fayette	30.3	+ 3.3	31.6	+ 1.0	44.1	+ 2.2	58.1	+ 3.9	62.4	− 1.4	71.9	− 0.9	77.4	+ 0.2	73.7	− 2.2	66.4	− 1.7	56.8	+ 0.4	46.5	+ 4.3	30.0	− 1.1	54.1	+ 0.7
Fulton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	74.0	+ 0.8	79.4	+ 1.7	74.8	− 1.6	67.4	− 1.5	57.0	− 0.4	48.0	+ 3.8	31.6	− 1.9	....	.....
Grant City	25.8	+ 1.0	27.2	− 1.4	40.6	− 0.7	57.0	+ 4.8	61.0	− 1.0	70.9	+ 0.1	76.8	+ 0.6	73.6	− 1.3	63.2	− 3.8	55.4	+ 0.3	42.4	+ 0.5	25.6	− 2.4	51.6	− 0.3
Hannibal	28.3	+ 1.2	29.1	− 0.6	43.4	+ 2.4	57.4	+ 4.0	62.4	− 1.2	71.6	− 0.9	77.1	+ 0.3	73.2	− 1.8	65.9	− 1.8	56.3	+ 0.3	45.2	+ 3.1	27.5	− 4.0	53.1	+ 1.0
Kansas City Airport	31.5	+ 3.3	32.2	+ 1.0	44.9	+ 2.2	60.5	+ 5.7	64.2	− 0.6	74.2	+ 0.6	81.5	+ 3.4	76.8	+ 0.2	67.7	− 1.2	59.0	+ 1.3	46.8	+ 3.1	30.9	− 1.6	55.8	+ 1.4
Kansas City University	32.0	.....	32.9	.....	45.6	.....	60.6	.....	63.4	.....	73.4	.....	79.6	.....	75.6	.....	67.6	.....	58.0	.....	46.7	.....	31.0	.....	55.5	.....
Kidder	28.2	+ 2.2	29.1	+ 0.7	41.6	+ 0.8	57.6	+ 5.4	61.2	− 1.4	71.4	− 0.4	77.8	+ 1.2	73.7	− 1.7	65.4	− 1.9	56.8	+ 1.0	44.0	+ 2.2	27.6	− 1.6	52.9	+ 0.5
Kirksville	27.4	+ 2.6	28.8	+ 1.7	43.4	+ 3.7	58.2	+ 6.3	63.2	+ 0 9	72.9	+ 1 2	77.8	+ 1.8	74.3	+ 0.3	65.8	− 0.5	56.4	+ 1.7	44.8	+ 4.2	26.8	− 2.8	53.3	+ 1.8
Lawson	29.2	.....	30.1	.....	42.6	.....	58.0	.....	62.0	.....	72.6	.....	78.3	.	74.6	.....	66.1	.....	56.4	.....	44.8	.....	28.0	.....	53.6	.....
Louisiana	28.6	+ 0.5	29.3	− 1.6	42.8	− 0.7	56.3	+ 2.3	61.8	− 1.9	71.8	− 0.3	76.5	+ 0.1	69.4	− 5.5	64.4	− 3.6	54.7[e]	− 1.5	44.6	+ 0.5	28.6	− 3.2	52.4	− 1.2
Macon	28.2	+ 0.7	30.1	+ 0.5	44.8	+ 2.6	57.5	+ 4 4	62.2	− 1.3	72.2	− 0.2	77.7	+ 0.5	74.1	− 2.0	64.8	− 3.1	55.6	− 0.7	43.6	+ 0.8	26.8	− 3.3	53.1	− 0.1
Maryville	24.6	+ 1.7	27.0	+ 1.2	39.8	+ 1.9	57.4	+ 6.6	60.6	− 0.7	70.6	+ 0.8	77.0	+ 1.3	73.6	− 0.2	63.8	− 1.8	55.8	+ 2.3	42.4	+ 3.0	25.9	− 0.9	51.5	+ 1.3
Memphis	25.0	.....	26.7	.....	40.0	.....	54.5	....	60.7	.....	71.3	.....	75.8	.....	73.3	.....	64.8	.....	55.1	.....	41.3	.....	23.8	.....	51.0	.....
Mexico	28.4	+ 0.4	28.6	− 1.5	42.2	+ 0.2	57.8	+ 4.0	62.9	− 1.1	73.2	0.0	79.2	+ 1.9	75.0	− 1.0	67.3	− 1.2	57.0	+ 0.7	45.8	+ 1.3	29.1	− 2.7	53.9	+ 0.1
Moberly	30.3	.....	31.0	.....	43.9	.....	59.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44.6	.....	28.0	.....	.....	.....
Oregon	27.8	+ 3.7	29.2	+ 0.4	42.8	+ 3.2	59.8	+ 7.1	63.0	− 0.2	72.8	+ 0.6	79.8	+ 4.2	76.0	+ 0.8	66.4	− 0.7	57.8	+ 2.7	44.8	+ 4.3	28.0	− 0.7	54.0	+ 2.1
St. Charles	31.8	+ 0.8	32.8	− 0.5	46.0	+ 1.5	59.2	+ 3.6	64.6	+ 1.5	74.4	+ 0.5	80.2	+ 2.1	75.7	− 1.1	69 0	+ 0 7	58.4	+ 0.2	47.2	+ 1.9	31.1	− 3.8	55.9	+ 0.6
St. Joseph	28.4	+ 2.9	29.6	0.0	42.5	+ 2.0	59.4	+ 5.9	62.5	− 1.7	73.0	− 0.7	80.0	+ 2.6	75.5	− 1.0	66.0	− 2.4	57.8	+ 1.8	45.0	+ 3.5	28.3	− 1.3	54.0	+ 1.0
Saverton, Lock & Dam 22	29.6	.....	29.6	.....	43.9	.....	58.4	.....	63.8	.....	73.1	.....	78.3	.....	74.4	.....	67.4	.....	57.1	.....	48.2	.....	30.2	.....	54.5	.....
Shelbina	28.6	.....	28.8	.....	43.0	.....	57.5	.....	62.8	.....	72.5	.....	77.7	.....	74.2	.....	66.6	.....	56.2	.....	45.9	.....	29.0	.....	53.6	.....
Steffenville	26.8	− 0.6	27.8	− 1.9	41.0	− 1.2	55.6	+ 2.5	62.4	− 1.4	72.2	− 0.4	76.8	− 1.0	73.6	− 2.9	66.2	− 2.8	56.0	− 1.4	45.3	+ 1.8	27.3	− 3.3	52.6	− 1.0
Tarkio	25.1	+ 2.2	27.2	− 1.8	40.3	+ 0.2	57.6	+ 5.4	60.6	− 2.0	70.9	− 0.9	77.8	+ 1.0	74.0	− 1.2	64.4	− 1.9	56.2	+ 1.4	41.3	+ 1.2	24.5	− 1.9	51.7	+ 0.1
Trenton	29.6	+ 3.3	29.6	+ 0 2	43.0	+ 1.9	58.2	+ 5.5	63.0	− 0.5	72.4	+ 0.2	79.0	+ 2.2	74.8	− 0.4	66.6	− 0.6	57.3	+ 1.4	45.8	+ 3.6	28.6	− 1.0	54.0	+ 1.3
Unionville	24.8	+ 1.3	26.4	− 0.3	39.6	+ 0.7	54.2	+ 3.2	60 0	− 2.1	70.2	− 1.1	75 4	− 1.1	72.4	− 2.4	64.6	− 2.5	57.3	+ 2.1	42.4	+ 2.1	24.8	− 2.8	51.0	− 0.2
Warrenton	32.5	+ 3 3	32.9	+ 2.0	47.4	+ 4.9	60.4	+ 5.6	64.2	− 0.7	73.4	0.0	78.5	+ 0.7	74.2	− 2.3	67.1	− 1.9	57.6	+ 1.6	47.8	+ 4.6	31.6	− 0.8	55.6	+ 1.4
Keokuk, Iowa	27.6	+ 2.7	28.4	+ 0.1	42.8	+ 3.9	57.4	+ 5.1	62.8	− 1.0	73.1	+ 0.6	77.9	+ 1.0	75.0	0.0	65.7	− 1.8	56.6	+ 1.2	43.5	+ 2.4	25.7	− 3.9	53.0	+ 0.8
Division means	**28.4**	**+ 1.8**	**29.6**	**− 0.2**	**42.9**	**+ 1.5**	**58.0**	**+ 4.9**	**62.5**	**− 0.9**	**72.4**	**− 0.1**	**78.2**	**+ 1.3**	**74.2**	**− 1.3**	**66.1**	**− 1.8**	**56.7**	**+ 0.8**	**45.0**	**+ 2.6**	**28.2**	**− 2.3**	**53.5**	**+ 0.5**
Southwestern Division																										
Anderson (near)	....	.....	36.7[¶]	+ 1.0	46.7	− 2.1	60.2	+ 3.5	64.2	− 1.5	73.0[f]	+ 0.3	76.2	− 1.1	75.0	− 2.7	67.1	− 3.9	57.0	− 1.7	51.3	+ 2.0	38.8[a]	+ 1.3	....	.....
Appleton City	32.1	+ 0.8	33.6	− 0.3	46.1	+ 1.0	59.5	+ 3.4	63.8	− 1.2	73.2	− 1.2	78.4	+ 0.2	75.5	− 2.3	67.0	− 3.4	58.2	− 0.7	48.9	+ 2.9	33.8	− 0.8	55.8	− 0.1
Bolivar	33.2	− 0.7	35.2	0.0	46.8	+ 0.5	60.8	+ 4.5	64.2	− 0.6	73.0	+ 0.2	78.3	+ 1.0	75.6	− 1.3	68.3	− 1.6	58.8	+ 0.2	50.2	+ 3.4	36.0	+ 0.4	56.7	+ 0.5
Boonville	28 8	.....	29.3	.....	42.4	.....	57.2	.....	62.2	.....	70.9	.....	76.8	.....	72.4	.....	62.8	.....	55.6	.....	44.6	.....	29.0	.....	52.7	.....
Carthage	34.2	.....	36.2	.....	49.0	.....	61.4	.....	64.5	.....	74.3	.....	78.6	.....	76.7	.....	69.2	.....	59.2	.....	50.7	.....	38.8	.....	57.7	.....
Clinton	31.6	− 0.1	33.4	− 0.2	45.8	+ 0.8	60.5	+ 4.2	64.2	− 1.3	73.9	+ 0.1	79.6	+ 1.3	76.0	− 1.6	67.6	− 3.2	58.4	− 0.5	48.1	+ 1.1	33.4	− 1.3	56.0	− 0.1
Eldon	34.2	+ 3.1	32.1	1.0	44.6[a]	+ 1.0	58.4	+ 3.0	61.9	− 2.3	74.2[f]	+ 1.2	77.4	+ 0.2	74.5	− 1.9	66.4	− 3.0	57.4[a]	0.0	46.6	+ 1.8	31.8	− 2.5	55.0	0.0
Fort Leonard Wood	33.5	.....	35.8	.....	48.4	.....	.....	.....	63.4	.....	70.0	.....	78 5[a]	.....	76.4[a]	.....	68.9	.....	59.7	.....	50.8	.....	35.8	.....	.....	.....
Harrisonville	29.9	+ 2.6	30 2	− 0.5	41.8	+ 0.5	57.2	+ 3.3	62.2	− 1.6	71.7	− 1.4	78.0	+ 0.3	74.4	− 1.5	65.3	− 3.2	57.0	+ 0.9	45.3	+ 2.8	30.4	− 0.9	53.6	+ 0.1
Jefferson City	29.8	0.0	30.8	− 1.3	43.6	0.0	57.3	+ 1.3	61.8	− 2.9	71.7	− 2.1	77.2	[f]	0.973.4	− 3.3	65.8	− 3.5	57.4	+ 0.6	46.8	+ 2.7	31.3	− 1.6	53.9	− 0.9
Joplin	34.6	− 0.3	36.5	+ 0.7	48.8	+ 0.2	62.9	+ 4.4	66.2	− 0.1	75.6	+ 2.2	80.4	+ 2.3	78.2	+ 0.9	69.5	− 2.6	61.4	+ 1.2	51.6	+ 3.3	39.2	0.0	58.7	+ 1.0
Lakeside	31.9	− 1.1	33.6	− 0.4	45.0	+ 0.4	59.6	+ 4.2	64.0	− 2.1	73.9	− 1.1	79.2	− 1.3	76.0	− 3.1	67.9	− 3.1	58.4	− 1.4	49.4	+ 4.9	34.0	− 3.3	56.1	− 0.6
Lamar	30.8	− 1.3	32.7	− 2.6	44.1	− 1.9	58 0	+ 1.4	61.2	− 4.4	71.2	− 3.0	76.4	− 2.0	73.7	− 4.0	65.1	− 5.7	56.8	− 2.1	46.8	+ 0.5	33.6	− 1.6	54.2	− 2.2
Lebanon	31.6	− 0.9	31.6	− 2.8	44.0	− 1.0	57.6	+ 2.1	61.3	− 3.6	71.0	− 1.7	76.8	− 0.1	74.1	− 2.0	66.2	− 3.2	56.4	− 1.3	46.4	+ 0.8	34.0	− 0.8	54.2	− 1.2
Lexington	30.8	+ 3.0	32.0	+ 1.0	43.7	+ 0.3	58.4	+ 3.8	63.1	− 1.3	74.0	+ 1.1	79.8	+ 2.4	76.3	+ 0.1	66.9	− 1.9	58.3	+ 0.8	45.3	+ 1.1	29.7	− 2.3	54.9	+ 0.7
Lockwood	34.0	+ 0.7	36.2	− 0.8	47.8	+ 0.5	61.4	+ 4.9	65.5	+ 1.1	74.4	+ 0.8	79.6	+ 2.0	76.8	− 0.4	69.8	− 1.1	60.6	+ 1.9	51.7	+ 4.7	37.4	+ 1.3	57.9	+ 1.3
Marshall	31.3	+ 3.4	31.6	+ 0.7	45.5	+ 2.5	60.0	+ 5.2	63.1	− 1.1	74.0	+ 0.8	80.2	+ 2.7	76.6	+ 0 6	69.1	+ 0.3	59.0	+ 2.4	48.8	+ 3.6	31.8	− 0.1	55.9	+ 1.8
Mountain Grove	33.0	+ 0.2	34.8	− 0.3	47.7	+ 2.3	59.2	+ 4.3	62.8	− 1.0	71.7	− 0.1	78.2	+ 1.8	74.6	− 0 9	67.6	− 1.3	59.2	+ 1.6	49.0	+ 3.1	35.8	+ 1.1	56.1	+ 0.9
Mount Vernon	34.2	+ 0.9	35.7	+ 1.2	46.3	+ 0.4	59.8[b]	+ 3.7	63.9	− 1.9	73.5	+ 0.2	78.2	+ 0.5	75.7[c]	− 1.0	....	.....	59.0	+ 0.4	52.6[e]	+ 6.8	36.8	+ 1.3	....	.....
Neosho	34.0	− 1.1	37.4	− 0.2	48.8	+ 0.7	61.6	+ 3.3	64.9	− 1.1	75.1	+ 1.3	78.8	+ 1.3	77.2	+ 0.1	69.4	− 1.1	59.6	+ 0.4	52.0	+ 4.7	39.1	+ 2.0	58.2	+ 0.9
Nevada	33.8	+ 1.9	36.0	+ 2.1	48.4	+ 3.5	61.8	+ 6.1	65.4	+ 0.9	74.0	+ 0.5	79.0	− 0.6	77.0	− 0.1	68.4	− 1.1	59.6	+ 2.0	50.3	+ 5.5	35.7	+ 0.4	57.4	+ 1.8
Ozark Beach	33.2	.....	36.4	.....	47.6	.....	60.6	.....	64.6	.....	75.3	.....	79.6	.....	77.2	.....	69.6	.....	59.4	.....	50.4	.....	38.5	.....	57.7	.....
Sedalia	32.1	+ 5.7	34.1	+ 3.7	46.0	+ 3.2	60.8	+ 5.5	64.4	− 0.9	73 5	− 0.7	80.0	+ 2.5	76.4	− 0.1	68.3	− 0.9	58.8	+ 1.1	49.0	+ 5.7	33.3	− 0.6	56.4	+ 2.0
Seligman	34.1	− 1.0	36.2	− 1.3	46.6[a]	0.0	59.8[a]	+ 3.2	63.6[g]	− 0.9	71.4	− 1.0	76.0	− 0.7	74.2	− 2.0	66.6[a]	− 3.0	58.3[d]	− 0.7	49.8[b]	+ 2.5	38.0[e]	+ 0.7	56.2	− 0.4
Seymour (near)	31.8	− 2.2	34.0	− 1.0	45.6	+ 0.2	58.8	+ 3.1	61.7	− 2.0	71.5	− 0.2	76.8	+ 1.3	74.2	− 0.8	66.9	− 1.9	56.7	− 0.7	49.0	+ 3.1	35.2	− 0.2	55.2	− 0.1
Springfield	31.4	− 2.1	33.9	− 1.3	45.8	+ 0.6	59.8	+ 2.8	62.4	− 2.1	72.2	− 0.3	77.2	+ 0.4	74.7	− 1.0	67.2	− 1.7	57.6	0.0	48.2	+ 3.2	35.7	+ 0.2	55.5	+ 0.6
Sweet Springs	31.8	.....	33.3	.....	45.6	.....	60.2[a]	.....	63.7	.....	73.0	.....	79.4[a]	.....	75.8	.....	67.2[a]	.....	57.4[a]	.....	48.1	.....	32.0	.....	55.6	.....
Warrensburg	31 2	+ 2.5	33.8	+ 1.3	45.6	+ 1.6	59.8	+ 3.7	64.2	− 0.8	73.4	− 0.5	80.0	+ 1.2	76.8	− 0.3	68.0	− 2.2	57.9	− 0.1	48.2	+ 3.2	32.1	− 1.3	55.9	+ 0.7
Warsaw	32.6	− 0.3	34.6	− 1.0	46.9	− 0.1	61.2	+ 4.5	64.4	− 1.1	73.7	− 0.1	79.8	+ 1.5	76.9	− 0.7	67.8	− 2.7	58.6	− 0.4	49.4	+ 2.2	33.6	− 2.1	56.6	0.0
Wasola	34.6	.....	36.8	.....	48.6	.....	60.8	.....	64.2	.....	73.6	.....	79.2	.....	75.4	.....	68.5	.....	60.4	.....	50.7	.....	36.9	.....	57.5	.....
Division means	**32.4**	**+ 0.6**	**34.2**	**− 0.1**	**46.1**	**+ 0.6**	**59.8**	**+ 3.7**	**63.6**	**− 1.4**	**73.1**	**− 0.2**	**78.5**	**+ 0.7**	**75.6**	**− 1.2**	**67.5**	**− 2.4**	**58.4**	**+ 0.2**	**49.0**	**+ 3.2**	**34.7**	**− 0.4**	**56.1**	**+ 0.3**
Southeastern Division																										
Advance	30.8	.....	35.0	.....	47.4	.....	57.8	.....	65.3	.....	75.0	.....	79.8	.....	75.4	.....	68.6	.....	58.1	.....	49.0	.....	35.2	.....	56.4	.....
Arcadia	31.7[b]	− 0.2	34.2[a]	+ 0.1	46.3[b]	+ 1.7	57.8	+ 2.5	63.0	− 1.1	72.4	+ 0.6	77.7	+ 1.9	73.2	− 1.1	66.9	− 0.7	56.4	+ 0.4	48.0[e]	+ 4.1	33.0	− 1.3	55.0	+ 0.6
Birch Tree (near)	32.6	− 1.9	34.3	− 2.0	48.0	+ 0.7	58.8	+ 1.7	63.1	− 1.9	73.0[f]	+ 0.3	77.4	+ 0.8	73.4	− 2.7	66.3	− 3.5	58.4	0.0	48.8	+ 2.2	35.2	− 1.2	55.8	− 0.6
Bragg City	33.6	.....	37.9	.....	50.0	.....	61.0	.....	68.4	.....	76.2	.....	80.5	.....	76.6	.....	70.2	.....	60.4	.....	53.0	.....	39.8	.....	59.0	.....
Campbell	35.1	− 2.6	38.6	− 3.5	52.6	+ 4.6	61.9	+ 3.2	69.2	+ 1.9	78.1	+ 2.6	82.2	+ 1.8	77.4	+ 0.2	70.6[a]	− 1.0	62.9	+ 2.8	52.6	+ 5.0	39.4	+ 1.0	60.0	+ 1.3
Carutherstville	34.2	− 4.9	37.2	− 3.1	49.2	− 2.2	60.1	− 0.1	67.6	− 2.2	77.0	− 1.4	81.0	− 0.3	76.2	− 4.1	69.5	− 5.0	60.4	− 1.8	51.1	+ 0.7	38.0	− 2.9	58.5	− 2.3
Crystal City	31.2	.....	34.0	.....	46.2	.....	57.7	.....	63.6	.....	73.0	.....	77.2[a]	.....	73.6	.....	67.0	.....	56.4	.....	48.6	.....	32.2	.....	55.1	.....
Doulphan	33.2	− 2.6	36.3	− 3.0	50.5	+ 1.5	60.4	+ 1.9	66.2	− 0.3	74.9	− 0.1	80.2	+ 1.6	76.2	− 1.4	68.3	− 2.9	59.4	+ 0.9	51.3	+ 4.0	37.4	− 0.4	57.9	− 0.1
Farmington	33.5	+ 0.9	34.8	− 2.1	49.3	+ 2.8	61.0	+ 4.1	65.7	+ 2.0	74.8	+ 2.0	79.4	+ 3.1	75.9	+ 0.5	69.2	− 0.4	58.8	+ 2.0	49.4	+ 4.6	34.7	− 2.0	57.2	+ 1.5
Goodland	30.2	− 2.4	33.9	− 0.4	46.9	+ 1.9	56.8	+ 1.8	62.7	− 1.3	72.0	+ 0.1	76.8	+ 1.2	74.2	− 0.3	66.8	− 1.0	56.5	+ 0.6	48.0	+ 3.3	34.0	− 0.8	54.9	+ 0.2
Greenville	33.4	− 1.6	36.0	+ 0.2	50.2	+ 2.5	59.8	+ 3.2	65.7	− 0.2	74.8	+ 1.2	80.2[f]	+ 2.8	....	.....	68.6	− 2.2	59.6	+ 2.0	50.7	+ 5.3	36.2[b]	0.0	....	.....
Jackson	32.6	− 1.2	36.0	− 0.5	49.6	+ 2.4	59.5	+ 2.4	67.2	+ 1.6	76.0	+ 1.9	81.1	+ 3.5	76.4	+ 0.3	69.0	− 1.1	59.0	+ 1.1	50.8	+ 4.2	35.7	− 0.9	57.7	+ 1.1
Jefferson Barracks	....	.....	....	.....	49.6	+ 5.0	59.8[a]	+ 3.0	65.0	− 1.1	75.4	+ 1.2	....	.....	....	.....	70.1	+ 1.9	61.2	+ 5.0	51.0[a]	+ 7.6	34.7	+ 0.1	....	.....
Koshkonong	35.4[a]	− 1.1	36.8	− 2.3	50.0[e]	+ 0.6	61.4	+ 2.9	65.3	− 1.3	74.2[a]	− 0.2	79.6	+ 0.8	75.6	− 2.3	69.1	− 2.3	61.4	+ 1.8	51.6	+ 2.6	37.8	− 0.6	58.2	− 0.1
Licking (near)	32.7	.....	35.4	.....	48.0	.....	59.8	.....	64.3	.....	73.6	.....	77.8	.....	74.8	.....	67.9	.....	57.2	.....	48.8	.....	34.8	.....	56.3	.....
Marble Hill	32.9	− 1.7	35.0	− 1.6	49.2	+ 1.6	58.5	+ 1.3	64.4	− 1.2	73.3	− 0.7	77.9	+ 0.1	73.2	− 3.8	66.2	− 4.5	56.4	− 1.8	49.4	+ 4.2	37.1	+ 0.4	56.1	− 0.6

Continued on next page

Monthly and Annual Mean Temperatures for the Year 1942, with Departures from Normal Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Southeastern Div.–Concluded																										
Poplar Bluff	32.8	3.2	36.3	− 1.8	51.1	+ 2.5	61.1	+ 1.6	67.4	− 0.1	76.2	+ 0.8	82.1	+ 2.9	77.0	− 1.0	70.4	− 1.3	60.8	+ 0.7	51.7	+ 4.0	38.1	+ 0.3	58.8	+ 0.8
Rolla	31.4	− 0.5	32.8	− 3.5	45.0	− 0.5	58.9	+ 3.0	62.7	− 1.8	71.6	− 1.4	77.2	− 0.5	74.4	− 1.8	66.8	− 1.9	57.2	+ 0.7	47.5	+ 2.5	31.6	− 3.0	51.8	− 0.7
St. Louis																										
City Office	32.5	+ 1.1	34.0	− 0.8	47.0	+ 2.9	60.1	+ 4.0	65.6	− 1.4	75.0	0.0	80.6	+ 1.8	76.8	− 0.7	69.7	− 0.8	60.0	+ 1.2	49.0	+ 3.6	33.3	− 1.6	57.0	+ 0.8
St. Louis Airport	31.4	+ 1.6	33.0	− 1.0	45.8	+ 2.8	59.4	+ 4.0	64.6	− 1.2	74.0	0.0	79.4	+ 1.6	75.2	− 1.2	68.3	− 0.5	58.2	+ 0.9	47.5	+ 3.6	31.2	− 2.2	55.7	+ 0.8
St. Louis University	32.4	+ 0.4	33.2	− 1.7	47.1	+ 2.9	60.2	+ 4.5	65.4	− 0.3	74.7	− 0.5	80.4	− 0.1	76.6	− 1.2	69.4	− 1.5	59.7	+ 1.1	48.8	+ 3.1	33.0	− 2.1	56.7	+ 0.4
Washington University	30.6	.....	31.8	.....	45.8	.....	58.5	.....	64.4	.....	73.6	.....	78.7	.....	75.0	.....	68.1	.....	58.8	.....	47.8	.....	31.6	.....	55.4	.....
Salem	32.0	− 0.6	34.6	− 1.2	48.0	+ 1.6	59.4	+ 3.4	63.8	− 0.7	72.8	+ 0.4	78.7	+ 1.9	75.4	− 0.5	68.3	− 0.9	58.2	+ 0.6	49.4	+ 3.3	34.7	− 0.7	56.3	+ 0.6
Sikeston	32.6	− 4.4	36.2	− 1.0	50.0	+ 1.1	60.2	+ 2.1	67.8	− 0.7	76.5	+ 2.2	82.4	+ 3.8	76.6	− 1.0	70.6	− 0.5	60.4	+ 1.1	50.4	+ 3.2	36.3	− 1.4	58.3	+ 0.4
Union	33.4	.....	35.0	.....	48.2	.....	58.7	.....	63.6	.....	73.8	.....	79.4	.....	75.2	.....	67.8	.....	57.6	.....	50.0	.....	32.2	.....	56.2	.....
Wappapello Dam	32.0	.....	35.0	.....	48.8	.....	60.2	.....	66.9	.....	76.0	.....	81.8	.....	76.4	.....	70.2	.....	60.6	.....	50.6	.....	36.2	.....	57.9	.....
Weingarten	31.2	.....	33.3	.....	46.2	.....	59.2[b]	.....	64.2	.....	73.4	.....	78.2[‖]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Plains	31.4	.....	35.0	.....	46.7	.....	59.6	.....	63.6	.....	73.2	.....	78.7	.....	74.7	.....	67.0	.....	57.2	.....	47.6	.....	35.1	.....	55.8	.....
Willow Springs	32.3	.....	34.9	.....	47.2	.....	59.6	.....	63.2	.....	72.0	.....	77.2	.....	74.2	.....	66.7	.....	57.6	.....	49.2	.....	34.8	.....	55.7	.....
Cairo, Ill	34.2	− 0.7	36.7	− 1.8	50.3	+ 3.1	61.3	+ 3.2	67.4	− 1.0	77.4	+ 1.1	82.4	+ 2.8	77.4	− 0.4	71.2	− 0.3	61.6	+ 1.2	51.8	+ 4.5	37.4	− 0.4	59.1	+ 0.9
Division means	32.6	− 1.5	35.2	− 1.7	48.4	+ 1.9	59.6	+ 2.6	65.3	− 0.6	74.5	+ 0.5	79.6	+ 1.7	75.5	− 1.3	68.6	− 1.5	59.0	+ 1.0	49.8	+ 3.8	35.3	− 1.0	57.0	+ 0.3
State means	31.1	+ 0.4	33.0	− 0.1	45.8	+ 1.8	59.1	+ 3.8	63.8	− 0.7	73.3	− 0.3	78.8	+ 0.7	75.1	− 1.4	67.4	− 2.0	58.0	+ 0.3	47.9	+ 3.5	32.7	− 1.6	55.5	+ 0.4

¶ Estimated ‖ Partially estimated

Letters of alphabet indicate number of days missing from report: thus [a] one day; [b] two days, etc.

KILLING FROSTS, 1942

Stations	Last in Spring	First in Autumn	Days in Growing Season
Northern Division			
Albany	May 4	Sept. 24	143
Amity	May 4	Sept. 24	143
Bethany	May 4	Sept. 28	147
Brookfield	April 11*	Sept. 27	169
Brunswick	April 12*	Sept. 28	169
Canton	April 11	Sept. 28*	170
Chillicothe	April 11*	Sept. 28	170
Clifton Hill	April 11*	Sept. 27	169
Columbia	Mar. 31	Sept. 28	181
Conception	April 12	Sept. 24	165
Edgerton	.....	Sept. 24	....
Elsberry	April 11*	Sept. 28*	170
Fayette	April 11	Sept. 27	169
Fulton	.....	Sept. 27	....
Grant City	May 4	Sept. 27	146
Hannibal	April 11*	Sept. 28	170
Kan. City Airport	Mar. 31	Oct. 25	208
Kansas City Univ.	Mar. 31*	Oct. 26	209
Kidder	April 11	Sept. 28	170
Kirksville	April 11*	Sept. 24	166
Lawson	May 4*	Sept. 24*	143
Linneus	April 11	Sept. 24	166
Louisiana	April 1*	Sept. 28	180
Macon	April 12*	Sept. 27	168
Maryville	April 11	Sept. 24	166
Memphis	April 13*	Sept. 24*	164
Mexico	April 12*	Sept. 28	169
Moberly	April 11*	.....	.....
Oregon	April 11*	Sept. 24	166
St. Charles	Mar. 31*	Sept 28	181
St. Joseph	April 11	Oct. 25	197
Saverton	April 11*	Sept. 28	170
Shelbina	April 11*	Sept. 24	166
Steffenville	April 11*	Sept. 28	170
Tarkio	May 4	Sept. 23	142
Trenton	May 4*	Sept. 27	146
Unionville	May 4*	Sept. 25	144
Warrenton	April 11*	Sept. 28	170
Keokuk, Iowa	April 11	Oct. 26	198
Southwestern Division			
Anderson (near)	April 10*	Sept. 27*	170
Appleton City	April 1	Sept. 27	179
Bolivar	Mar. 31	Oct. 26	209
Boonville	April 11*	Sept. 24	166
Carthage	April 1*	Sept. 27	179
Clinton	April 10	Sept. 27	170
Eldon	April 12*	Sept. 27	168
Ft. Leonard Wood	April 10*	Oct. 26	199
Harrisonville	April 10*	Sept. 27	170
Jefferson City	April 12*	Oct. 26	197
Joplin	Mar. 31*	Oct 26*	209
Lakeside	April 2*	Oct. 26	207
Lamar	May 5*	Sept. 27*	145
Lebanon	May 5*	Sept. 25*	143
Lexington	April 12*	Sept. 28*	169
Lockwood	April 10*	Sept. 27	170
Marshall	April 11*	Sept. 28*	170
Mountain Grove	April 1*	Oct. 26	208
Mount Vernon	April 10	Sept. 27	170
Neosho	April 10	Sept. 27	170
Nevada	Mar. 31*	Sept. 27*	180
Ozark Beach	April 2*	Oct. 26	207
Pleasant Hill	April 10	Sept. 27	170
Sedalia	April 11*	Sept. 27*	169
Seligman	April 11*	Sept. 27	169
Seymour(near)	May 4*	Sept. 27*	146
Springfield	April 1	Sept. 27	181
Sweet Springs	May 4	Sept. 24	143
Warrensburg	April 11*	Sept. 27	169
Warsaw	May 4	Sept. 27	146
Wasola	April 1*	Oct. 26	208
Southeastern Division			
Advance	April 12*	Sept. 28*	169
Arcadia	April 12*	Sept. 28	169
Birch Tree(near)	April 1*	Sept. 28*	180
Bragg City	April 1*	Oct. 27	209
Campbell	April 1*	Oct. 26	208
Caruthersville	April 2*	Nov. 1	213
Crystal City	April 12*	Sept. 28	169
Doniphan	April 1*	Sept. 29	181
Farmington	April 1	Sept. 28	180
Goodland	April 22*	Sept. 21*	152
Greenville	April 13*	Sept. 28	168
Jackson	April 1*	Oct. 26	208
Jefferson Barracks	April 1*	Oct. 26	208
Koshkonong	April 1*	Oct. 26	208
Licking(near)	May 4*	Sept. 28*	147
Marble Hill	April 1	Sept. 27	179
Poplar Bluff	April 1*	Oct. 26*	208
Rolla	April 1	Sept. 28*	180
St. Louis	Mar. 30	Sept. 28	182
St. Louis Airport	Mar. 30*	Sept. 28*	182
St. Louis Univ.	Mar. 30*	Oct. 25*	209
Washington U.	April 1*	Sept. 28*	180
Salem	April 1*	Sept. 28	180
Sikeston	April 1	Oct. 26*	208
Union	April 1	Sept. 28	180
Weingarten	Mar. 31*	.....	....
West Plains	April 1*	Sept. 29	181
Willow Springs	April 1*	Sept. 29	181
Cairo, Ill.	Mar. 3	Oct. 26	237
.....	.....	.....	....
.....	.....	.....	....
.....	.....	.....	....
.....	.....	.....	....

* Occurrence of killing frost not recorded; dates given are last in spring or first in autumn of temperature 32° or lower.

WBO, St. Louis, 4-15-43—1300.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVII JANUARY 1943 No. 1

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

This month averaged drier than any January since state-wide records began in 1888, and it was more favorable than any month of the current winter for outdoor activities.

Sunshine and temperature averaged practically normal although temperatures fluctuated sharply within short periods of time, particularly the latter half of the month and specifically on the 24-25th when the range from high to low amounted to 60° and 70° in about eighteen hours in east-central and southern portions of the State. The maximum of 81° this month has been exceeded only once, and equalled once, in the past 55 years; viz., in 1909 when 83° occurred and in 1890 when 81° was recorded. The low temperature this month of 23° below zero has been exceeded or equalled numerous times in past Januarys. The 19th and 20th were the coldest days, while the 15th, 22d, and 24th were generally the warmest days of the month. Warm periods were 1st-3d, 14-16th, 21st-24th, and 29th-31st with cold periods 17-20th and 25-28th. The Northern and Southwestern Divisions averaged slightly colder while the Southeastern Division averaged 1.6° warmer than normal. The average for the State was exactly the same as for January a year ago.

Precipitation was decidedly deficient this month, with monthly totals at several stations too small to be measured. However, moisture was ample for all requirements and alternate freezing and thawing kept fields and dirt roads muddy much of the time. High water continued the first few days of the month in most streams and rivers of the eastern and southern portions of the State but receded rapidly thereafter, except in the Mississippi River below St. Louis which remained at high levels until the latter half of the month, particularly in the reach below Cairo, Ill.

Snowfall averaged less than normal for the State as a whole, although substantial amounts fell over the northern half and in the boot-heel counties. Snow cover did not remain on very long and the ground was bare during much of the month.

The dry weather permitted getting crops out of the fields and was also favorable for other seasonal outdoor work and feeding of livestock. Wheat seemed to come through in good condition and during warm periods the latter part of the month, it made some growth and was becoming green. The low temperatures of the 19th and 20th were injurious to peach buds and the crop may have suffered severely in some areas. Numerous auction sales of farm equipment and livestock continued again this month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 95 stations reporting, was 31.1°, or 0.3° warmer than normal. The highest monthly mean was 39.8° at Campbell, and the lowest monthly mean was 21.0° at Tarkio. The highest recorded was 81° at Ozark Beach and Willow Springs on the 24th, and the lowest was 23° below zero at Grant City on the 19th.

PRECIPITATION

The average for the State, 157 stations reporting, was 0.39 inch, or 1.97 inches less than normal. The greatest local monthly amount was 1.41 inches at Jefferson Barracks, and the least local monthly amount was Trace at Anderson, Galena, Lamar, Alton(near), Cape Girardeau, Marble Hill, and Van Buren. The greatest amount in any twenty-four hours was 0.80 inch at Bowling Green on the 7th. The average number of days with 0.01 inch or more was 4.

(Continued on page 3)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity: 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.90*	19	29.15*	15	8.2	24	sw.	15	77*	64*	67*	55	1105
Kan. C. Airport	30.91	19	29.08	15	11.4	37	sw.	15	78	67	72	56	1134
St. Joseph	30.90*	19	29.68*	15	9.6	31	nw.	3	86*	66*	78*	48	1221
St. Louis	30.86*	19	29.23*	15	13.0	35	nw.	19	72	60	73*	53	1013
Springfield	30.91	19	29.94	15	12.0	32	nw.	24	76	55	61	56	993
Cairo, Ill.	30.78	19	29.38	15	10.3	29	sw.	21	81	64	..	49	860
	.....	..	.....	..	....	..	.....	..	..	..	..	..	..	....

* Data for Airport Station. § 6:30 A. M.

COMPARATIVE DATA FOR JANUARY

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	21.5	74	−32	2.14	1.76	2.20	2.47	....	6	..	..	..
1889	31.8	69	− 2	2.53	1.65	2.48	3.45	....	6	..	..	..
1890	33.8	81	−19	5.18	3.23	4.18	8.14	....	9	..	..	..
1891	34.1	74	− 1	1.63	1.36	0.98	2.56	4.3	6	..	..	..
1892	24.0	67	−31	1.87	1.80	1.87	1.93	....	4	14	8	9
1893	22.5	66	−14	0.45	0.51	0.41	0.42	2.4	3	9	11	11
1894	31.4	77	−35	2.48	1.90	2.95	2.59	2.7	5	13	9	9
1895	24.7	78	−22	1.66	0.97	1.44	2.57	9.4	5	14	8	9
1896	32.9	71	− 9	1.19	1.05	0.85	1.67	3.1	4	10	7	14
1897	28.4	72	−16	5.24	4.18	5.50	6.04	4.0	8	12	7	12
1898	34.3	75	−10	4.11	4.02	3.84	4.48	8.4	9	11	8	12
1899	30.2	70	−21	1.93	0.62	1.20	3.96	4.0	6	12	8	11
1900	34.5	77	− 9	1.28	0.98	1.18	1.67	0.2	4	14	7	10
1901	35.0	72	−11	1.31	1.21	1.45	1.27	0.8	4	17	7	7
1902	30.1	72	−17	1.36	1.07	0.95	2.05	6.9	5	16	7	8
1903	31.4	73	−11	1.49	1.07	1.41	1.98	5.0	6	13	6	12
1904	27.0	66	−23	3.01	2.64	2.74	3.66	7.4	8	14	6	11
1905	22.3	72	−19	2.04	1.06	2.10	2.95	6.8	8	14	6	11
1906	35.6	77	− 8	3.44	2.20	3.07	5.04	9.2	6	14	5	12
1907	34.3	79	− 5	5.04	4.14	5.28	5.69	2.8	12	7	6	18
1908	34.4	68	−10	1.67	0.50	1.47	3.04	3.6	5	19	5	7
1909	33.7	83	−20	2.36	2.01	1.70	3.36	6.5	7	6	7	18
1910	32.3	78	−24	1.82	1.96	1.73	1.78	3.5	5	13	6	12
1911	34.6	78	−19	0.84	1.57	0.32	0.64	0.7	5	8	7	16
1912	20.0	70	−36	1.22	0.35	0.79	2.51	6.5	4	14	7	10
1913	33.1	74	−12	4.18	1.53	2.63	8.58	2.6	8	13	6	12
1914	38.1	78	− 1	1.45	0.96	1.43	1.95	1.0	4	12	7	12
1915	29.1	76	−24	2.88	2.29	2.48	3.86	5.4	8	12	5	14
1916	31.6	72	−24	7.66	5.23	8.32	9.42	3.4	12	9	4	18
1917	32.9	76	−10	1.53	0.75	1.05	2.79	2.3	5	15	7	9
1918	16.4	67	−24	1.72	1.08	1.45	2.63	16.6	7	12	7	12
1919	34.0	70	−23	0.44	0.14	0.32	0.85	1.4	2	20	5	6
1920	28.6	72	− 5	1.72	0.52	1.39	3.25	5.7	5	15	5	11
1921	37.1	74	− 1	1.88	1.42	2.07	2.15	5.4	6	10	7	14
1922	29.5	66	− 6	1.33	1.08	1.41	1.50	3.9	5	14	5	12
1923	39.2	75	3	2.58	0.77	2.21	4.77	0.6	6	12	7	12
1924	24.9	68	−25	1.59	1.08	1.64	2.05	5.7	7	14	5	12
1925	29.7	65	−15	1.05	0.41	1.29	1.44	4.7	4	15	7	9
1926	32.7	70	−20	1.93	1.28	1.91	2.60	4.2	6	11	7	13
1927	30.8	73	−24	3.05	0.90	2.43	5.81	3.6	6	13	6	12
1928	33.3	77	−18	0.97	0.31	0.81	1.80	0.5	3	16	7	8
1929	25.1	72	−13	3.51	2.77	2.79	4.96	6.8	8	11	6	14
1930	20.8	73	−31	4.62	2.38	4.18	7.30	13.0	10	12	5	14
1931	36.0	76	− 5	0.74	0.39	0.65	1.18	2.0	4	16	6	9
1932	36.4	73	− 7	3.56	1.78	4.23	5.66	1.0	9	10	7	14
1933	41.4	72	8	2.56	1.73	2.62	3.34	0.5	6	14	8	9
1934	36.1	71	− 6	1.34	0.88	1.33	1.82	1.5	5	13	6	12
1935	33.0	71	−12	2.57	1.47	2.44	3.81	0.5	7	12	6	13
1936	24.4	74	−25	1.01	1.69	0.56	0.77	7.6	7	11	7	13
1937	28.5	70	−15	6.38	3.66	5.20	10.28	4.3	11	9	5	17
1938	33.1	75	− 9	2.93	2.53	3.00	3.27	0.3	6	13	6	12
1939	39.0	74	− 5	2.74	1.40	2.25	4.57	8.1	9	12	8	11
1940	15.5	55	−28	1.35	1.21	1.19	1.66	12.4	8	13	7	11
1941	34.7	70	0	3.41	3.59	3.70	2.93	4.4	11	9	5	17
1942	31.1	74	−24	1.66	0.57	1.30	3.10	3.4	5	18	6	7
1943	31.1	81	−23	0.39	0.58	0.29	0.30	3.0	4	14	7	10
Period	30.8	83	−36	2.36	1.61	2.14	3.32	4.5	6	13	6	12

Natural History Library

Climatological Data for January 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	24.5	.....	60	15	−19	19	14	0.49	−0.34	0.30	18	4.0	5	14	8	9	s.	Curtis E. Grace
Bethany	Harrison	916	48	24.2	− 0.6	59	15	−19	19	50	0.12	−1.07	0.12¶	18	2.0	1	13	5	13	n.	A. S. Cumming
Brookfield	Linn	767	2	26.4	.....	59	15	−17	19	2	0.45	.....	0.45	18	5.0	1	13	7	11	nw.	E. W. Patrick
Brunswick	Chariton	652	62	25.8	− 0.9	60	15	−14	19†	64	0.58	−1.01	0.35	18	10.0	4	17	2	12	nw.	O K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	26.8	.....	54	15†	−14	19	13	1.02	−0.92	0.40	18	7.4	11	13[a]	3[a]	14[a]	nw	Lockmaster
Chillicothe	Livingston	779	34	23.3	− 1.1	60	15	−17	19	37	0.23	−1.25	0.08	6†	4.7	3	15	4	12	nw	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	27.4	− 0.7	59	15	−18	19	34	0.60	−1.12	....	.....	8.4	7	11	6	14	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	29.3	− 1.5	65	22	−12	19	53	0.88	1.04	0.37	31	3.9	7	10	9	12	nw.	U. S. Weather Bureau
Conception	Nodaway	980	54	23.5	− 1.2	57	15	−21	19	59	0.23	−0 56	0.16	18	2.0	2	8	12	11	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	25.6	− 1.3	63	16	−19	19	40	0.10	−0.75	0.10	18	2.5	1	5	14	12	n	LeRoy Mindrup
Elsberry	Lincoln	449	12	....	.....	..	..	−12	19	12	1.38	−0.79	0.60	3	2.0¶	6	13	7	11	sw	John Dowell
Fayette	Howard	760	63	27.3	+ 0.3	61	15	−18	20	60	0.66	−1.13	0.31	18	6.1	7	13	3	15	nw	Irvin E. Schnell
Fulton	Callaway	818	55	29.6	+ 0.1	64	22	−12	19	51	0.78	−1.24	0.59	31	4 5	5	15	11	5	ne.	Frank E. Hillgartner
Grant City	Worth	1,134	39	22.7	− 2.1	53	15	−23	19	51	0.21	−0.76	0.12	18	4.0	3	8	6	17	nw.	Howard Rybolt
Hannibal	Marion	759	51	26.1	− 1.0	57	15	−14	19	59	0.67	−1.05	0.13	31	6.4	7	13	6	12	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	28.3	+ 0.1	63	15	−13	19	54	0.31	−0.88	0.30	17–18	3 4	3	9	7	15	nw	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	29.0	.....	63	15	−15	19	5	0.48	.....	0.31	18	3 0	4	7	9	15	n.	University of Kansas City
Kidder	Caldwell	1,020	51	25.0	− 1.0	62	15	−20	19	55	0 09	−1.13	0.04	18†	3.2	3	13	9	9	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	24.8	0.0	56	22	−17	19	61	0 93	−0.59	0.40	18	9.0	8	15	6	10	nw.	John W. Alexander
Lawson	Ray	1,070	5	26.2	.....	62	15	−17	19	5	0.33	.....	0.28	18–19	3.0	3	13	7	11	nw.	Howard Coons
Louisiana	Pike	469	49	26.7	− 1.4	59	15	−17	20	62	0.60	−1 55	0.30	7	3 2	3	17	9	5	n.	Frank G. Gstrein
Macon	Macon	875	44	24.2	− 3.3	59	15	−17	20	50	0.73	−0.97	0.32	19	8.5	6	10	5	16	nw.	Stark Bro's Nurseries
Maryville	Nodaway	1,169	53	22.8	− 0.1	56	15	−21	19	49	0.79	−0.21	0.30	18	7.7	7	15	2	14	nw	John W. Atwell
Memphis	Scotland	787	4	21.9	.....	53	22	−16	20	13	0.84	- 0.69	0.25	3	7.7	8	9	8	14	nw.	R. B. Montgomery
Mexico	Audrain	800	54	27.6	− 0.4	64	22	−13	20	65	1.13	−0.90	0.30	7	7.7	7	13	2	16	nw.	John W. Alexander
Moberly	Randolph	875	6	26.2	.....	60	15	−12	20	6	0.46	.....	0.40	18–19	6.1	6	8	6	17	nw.	Mrs. Abbie Snoddy
Oregon	Holt	1,048	87	25.2	+ 1.1	60	15	−18	19	87	0.60	−0.33	0.30	18	6.0	3	16	8	7	nw.	Moberly Water Dept.
St. Charles	St. Charles	520	55	30.8	− 0.2	70	24	− 6	20	65	0.29	−1.86	0.14	7	1.2	6	16	7	8	sw.	Miss Mina Wright
St. Joseph	Buchanan	957	33	25.4	− 0.1	60	15	−15	19	71	0.21	−1.07	0.19	18	3.0	3	13	7	11	nw	Martin L. Comann
Saverton, Lock No. 22	Ralls	472	5	28.0	.....	57	15	−11	19†	5	0.76	.....	0.25	7	5.5	7	12	8	11	nw	U. S Weather Bureau
Shelbina	Shelby	779	2	26.6	.....	59	15	−17	19	50	0.76	−0.77	0.28	18	5.0	8	19	6	6	nw.	Lockmaster
Steffeuville	Lewis	650	45	25.6	− 1.8	54	15†	−16	19	50	0.79	−1.22	0.24	3	7.0	10	11	3	17	nw.	Gnyman Hatcher
Tarkio	Atchison	916	40	21.0	− 1.9	57	15	−17	19	49	0.50	−0 24	0.20	15	4.5	4	9	12	10	n.	Samuel D. Gross
Trenton	Grundy	822	47	25.4	− 0.9	60	15	−16	19	48	0.37	−0.97	0.17	18	3.5	8	11	7	13	n.	Albert Volker
Unionville	Putnam	1,062	50	22.2	− 1.3	56	22	−20	20	50	0.50	−1.22	0.16	19	3.7	7	15	6	10	nw.	W. H. Estes
Warrenton	Warren	816	61	31.2	+ 2.0	66	24	−11	19	53	0.71	−1.48	0 37	31	1.8	4	15	6	10	w.	C. D. Wilson
Keoknk, Iowa	Lee, Ia	574	71	25.0	+0.1	51	22	−13	19	71	1.04	−0 52	0.26	17	8 5	10	13	1	17	nw.	Dorris D. Brown
Division means and extremes		.....	..	**25.9**	**− 0.7**	**70**	**24**	**−23**	**19**	..	**0 58**	**−1.03**	**0 80**	**7**	**5.0**	**5**	**12**	**7**	**12**	**nw.**	U.S. Weather Bureau
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	39	35.8	− 0.1	71	22	− 8	19	44	T.	−2.53	T.	6†	T. ¶	0	19	6	6	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	30.0	− 1.3	62	2†	−15	19	51	0.18	−1.66	0.08	18–19	1.1	5	17	3	11	nw.	Rolla Brown
Bolivar	Polk	1,071	40	32.8	− 1.1	72	24	−13	19	48	0.07	−1.86	0 04	18	0.4	2	15	10	6	nw.	Southwest Baptist College
Boonville	Cooper	650	5	26.6	.....	64	22	−14	19	66	0.63	−1.09	0.25¶	18	4.2	6	13	6	12	nw.	Boonville Water Dept.
Carthage	Jasper	962	9	33.8	.....	70	22†	−12	19	19	0.05	.....	0.04	6	0.5¶	2	10	11	10	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	30.0	− 1.7	64	22	−17	20	56	0.32	−1.71	0 18	18	2.5	4	12	10	9	nw.	U. S. Weather Bureau
Eldon	Miller	934	48	30.4	− 0.7	68	22	−12	20	44	0.35	−1.41	0 21	8	0 8¶	5	19	5	7	nw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	35.1	.....	78	24	− 9	19	2	0.30	.....	0.18	6	2.9	4	13	11	7	n.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	26.6	− 0.7	60	15†	−18	19†	68	0.77	−0.80	0.34	18	9.5	4	13	3	15	nw.	John H. Patterson
Jefferson City	Cole	557	53	29.4	− 0.4	69	22	− 9	19†	61	0.36	−1.62	0.18	31	1.3¶	4	11	8	12	n.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	35.8	+ 0.9	72	24	−10	19	38	0.08	−2.08	0.08	17	....	1	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	12	32.0	− 1.0	67	22†	− 7	20	12	0.36	−1.82	0.11	31	1.5	6	16	4	11	sw.	W. S. Frame
Lamar	Barton	980	55	28.6	− 3.5	70	2	−18	19†	62	T.	+1.83	T.	18†	T.	0	20	3	8	nw.	Jesse A. Mann
Lebanon	Laclede	1,265	55	32.2	− 0.3	79	24	−13	19	56	0.14	−2.50	0.10	7	1.5	2	13	9	9	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	26 4	− 1.4	61	15	−14	19†	59	0.69	−0.83	0.35	18	7.2	6	15	10	6	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	34.1	+ 0.8	73	24	−13	19	47	0.08	−1.78	0.05	19	1.3	2	19	6	6	nw	Hubert A. Nieman
Marshall	Saline	779	56	28.5	+ 0.6	62	22	−15	19	53	0.60	−1.05	....	..	6.0	2	15	4	12	nw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	36.0	+ 3.2	78	24	− 8	19	46	0.18	−2.55	0.18¶	6	2.0	1	13	12	6	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	34.4	+ 1.1	75	24	−14	19	43	0.05	−2.66	0.05	31	T. ¶	1	10	10	11	nw.	G. H. Boswell
Neosho	Newton	1,011	56	36.2	+ 1.1	74	24	− 8	19	60	0.08	−2.39	0.05	6	0.5¶	2	16	9	6	w	U. S. Fisheries Station
Nevada	Vernon	862	50	32.0	+ 0.1	65	2†	−19	19	51	0.06	−1.77	0.04	18	0.7	2	16	5	10	nw.	Henry Kraft
Ozark Beach	Taney	700	3	35.0	.....	81	24	− 4	19†	18	0.10	−2.87	0.10	6–7	0	2	16	6	9	s.	V. Smith
Sedalia	Pettis	910	30	30.0	+ 3.6	64	22	−16	19	32	0.59	−1.66	0.20	31	4.0	4	16	7	8	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	34.3	− 0.8	73	24	−10	19	40	0.05	−2.74	0.05	6	0.5	1	18	8	5	s.	Floyd E. Fawver
Seymour(near)	Webster	1,642	37	34.0	0.0	74	24	− 9	19	37	0.09	−2.50	0.09	6	1.0	1	19	4	8	nw.	A. L. Hailey
Springfield	Greene	1,301	55	32.9	+ 0.6	75	24	−10	19	55	0.07	−2.27	0.04	6	0.5	3	11	7	13	nw	U. S. Weather Bureau
Sweet Springs	Saline	700	2	29.0	.....	63	22	−18	19	2	0.87	.....	0.48	18	7.8	6	17	7	7	nw.	H. F. Nelson
Warrensburg	Johnson	878	56	28.6[4]	− 0.1	60	22	−18	19	63	0.81	−0.97	0.35	18	6.7¶	5	16	5	10	nw.	E. A. Markey
Warsaw	Benton	687	42	31.4	− 1.5	67	2†	−15	19	48	0.32	−1.82	0.16	19	3.0	4	11	11	9	nw.	Everett Martin
Wasola	Ozark	1,294	2	36.9	.....	80	24	− 6	19	3	0.15	.....	0.15	6	2.2	1	19	4	8	s.	A. W. Pinckney
Division means and extremes		.....	..	**32.0**	**− 0.1**	**81**	**24**	**−19**	**19**	..	**0.29**	**−1.85**	**0 53**	**17**	**2.5**	**3**	**15**	**7**	**9**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	6	35.4	.....	79	24	1	20	6	0.13	.....	0.13	31	T. ¶	1	9	13	9	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	33.0	+ 1.1	79	24	− 4	19†	65	0.09	−2.90	0.07	7	T.	2	15	9	7	w.	Arcadia College
Birch Tree(near)	Shannon	1,000	48	35.0	+ 0.5	78	24	− 8	19	49	0.13	−3.05	0.13	6	2.0	1	18	4	9	n.	R. C. Moger
Bragg City	Pemiscot	261	1	39.6	.....	74	24	4	19	12	0.97	−4.03	0.46	26	5.5¶	4	20	5	6	sw.	Paul B. Hutchens
Campbell	Dunklin	314	17	39.8	+ 2.1	76	24	5	19†	17	0.70	−4.60	0.60¶	26	6.5	5	15	9	7	s.	Mrs. W. J.Christian
Caruthersville	Pemiscot	265	47	37.3	− 1.8	76	24	4	19	51	0.57	−4.62	0.30	26	5.5	3	19	3	9	s.	Victor T. Mallonre
Crystal City	Jefferson	420	9	33.0	.....	80	24	− 4	19	9	0.31	.....	0.31	31	0	1	13	6	12	n.	Frank Magre
Doniphan	Ripley	344	39	38.2	+ 2.4	77	24	− 1	20	39	0.01	−4.09	0.01	26	0.4	1	18	7	6	n.	Boyce Lackey
Farmington	St. Francois	896	32	35.7	+ 3.1	79	24	− 5	19	46	0.02	−3.12	0.02	7	T.	1	12	4	15	s.	F. M. Karsch
Goodland	Iron	1,000	50	32.8	+ 0.2	78	24	− 8	19†	50	0.07	−2.63	0.04	6	T. ¶	2	18	6	7	n.	F. M. Adams
Greenville	Wayne	381	34	38.6[b]	+ 3.6	79	24	− 3	20	36	0.02	−3.30	0.02	6	T. ¶	1	14[b]	11[b]	4[b]	nw.	Benford Shoemake
Jackson	Cape Girardeau	428	52	37.6	+ 3.8	75	24†	1	19	53	0.33	−3.61	0.24	31	T. ¶	3	13	4	14	n.	John G. Pntz
Jefferson Barracks	St. Louis	465	37	35.4	+ 3.0	79	24	− 4	19	29	1.41	−0.85	0.60	31	....	6	20	0	11	n.	U. S. Army Medical Corps
Koshkonong	Oregon	958	42	38.2[a]	+ 1.7	78	24	− 2	19	43	0.04	−3.58	0.04	6	T.	1	23[a]	0[a]	7[a]	n.	J. B. Tindel

Continued on next page

Climatological Data for January 1943 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr. Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Precipitation, in inches Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Number of days With precip., 01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	6	34.0	.....	78	24	10	19	6	0.21	.....	0.21	6	1.2	2	17	5	9	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	48	39.1	+ 4.5	79	21	− 3	20	50	T.	−3.87	T.	8‖	T.	0	13	10	8	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	38	39.0	+ 3.0	78	21	1	19‖	39	0.18¶	−4.24	0.18¶	26	2.0	1	8	14	9	nw	B. R. Wheetley
Rolla	Phelps	1,202	43	31.4	0.5	78	24	−10	19	59	0.35	−2.11	0.33	6	3.1	3	10	10	11	nw	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	106	32.1	+ 1.0	73	24	− 5	19	106	0.74	1.60	0.23	31	2.0	10	11	7	13	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	30.6	+ 0.8	71	24	− 5	19	12	0.60	−1.66	0.19	31	2.0	8	10	4	17	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	31.9	− 0.1	73	24	− 5	19	31	0.66	−1.94	0.26	31	3.4	7	11	5	15	w.	St. Louis University
Salem	Dent	1,173	39	34.2	+ 1.6	79	21	− 8	19	42	0.12	−2.60	0.12	6	T.	1	17	5	9	n.	E. E. Martin
Sikeston	Scott	318	36	36.4	− 0.6	80	24	2	20	46	0.18	−4.68	0.13	26	1.5	2	13	13	5	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	5	33.2	.....	78	24	− 6	19	26	0.60	−1.72	0.35	31	T.	3	13	3	15	nw.	Robert Mueller
Wappapello Dam	Butler	475	4	36.0	.....	72	16‖	2	19	4	0.04	.....	0.02	26‖	T. ¶	2	15	10	6	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	35.2	.....	80	24	− 4	19‖	3	0.14	.....	0.04	14	T.	6	16	11	4	w.	E. A. Mohrman
West Plains	Howell	1,005	6	33.7	.....	78	24	− 5	19	6	0.17	.....	0.14	6	T.	2	7	14	10	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	2	33.0	.....	81	24	− 7	19	36	0.13	−3.05	0.13	7	2.0	1	16	7	8	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	37.2	+ 2.3	74	24	5	19	72	0.33	3.43	0.14	25–26‖	1.9	4	9	6	16	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	35.4	+ 1.6	81	24	−10	19	..	0.30	−3.02	0.60	26‖	1.4	3	14	7	10	n.	
State means	**and extremes**	.....	..	31.1	+ 0.3	81	24	−23	19	..	0.39	1.97	0.80	7	3.0	4	14	7	10	nw.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Audersou(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Cautou Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Jefferson Barracks, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 1)

Snowfall averaged 3.0 inches, or 1.5 inches less than normal. The greatest monthly amount was 10 inches at Brunswick.

MISCELLANEOUS PHENOMENA

Floods.—In Meramec River, continued from December to January 2d. In Missouri River, continued from December to January 3d. In Mississippi River, continued from December to January 17th. In Osage River, continued from December to January 3d. In St. Francis River, continued from December to January 2d.

Fogs.—Heavy, 1st, 2d, 3d, 5th, 6th, 7th, 8th, 16th, 22d, 23d, 24th, 28th, 29th, 31st.

Glaze.—1st, 2d, 3d, 6th, 7th, 14th, 17th, 18th, 25th, 31st.

Hail.—Light on 31st at Jackson.

Halos.—Solar, 25th, 26th, 28th; lunar, 1st, 15th, 16th, 21st.

Sleet.—6th, 7th, 8th, 9th, 14th, 15th, 17th, 18th, 24th, 25th, 26th, 29th, 30th, 31st.

Thunderstorms.—Local, 30th; more or less general, 31st.

Windstorms.—No damaging winds reported.

ERRATA

June 1942, page 32: Number of cloudy days at Saverton should be 5.

November 1942, page 61: 5th line of third paragraph should read: an average of 5.58 inches, etc.; paragraph headed precipitation should read: The average for the State, 156 stations reporting, was 4.27 inches, or 1.56 inches more than normal. The greatest local monthly amount was 8.37 inches at Cape Girardeau, and the least local monthly amount was 1.30 inches at Maryville. The greatest amount in any twenty-four hours was 2.87 inches at Campbell on the 22d, etc. In comparative data table the 1942 average precipitation for State and for Southeastern Division should be 4.27 and 5.58, respectively. Page 63: Total precipitation at Rolla should be 4.41, departure should be +1.73, greatest precipitation in 24 hours should be 1.56, and days with 0.01 inch or more should be 12; division precipitation mean should be 5.58, departure +2.33, greatest precipitation in 24 hours should be 2.87 on 22d; State precipitation mean should be 4.27, departure should be +1.56, greatest precipitation in 24 hours should be 2.87 on 22d. Page 65: Precipitation at Rolla on 4th, 5th, and 18th should be .59, .98, and .07 respectively; total precipitation should be 4.41.

December 1942, page 68: number of days with 0.01 inch or more at Grant City and Clifton Hill should be 6 and 12, respectively; date of greatest precipitation in 24 hours and total snowfall at Saverton should be 27th and 6.8, respectively; minimum temperature at Warrenton should be 4 on 2d; average snowfall Northern Division should be 9.8. Page 69: Mean temperature and greatest precipitation in 24 hours and date at West Plains should be 35.4 and 3.55 on 26-27th, respectively. Page 72: Maximum temperature on 2d and minimum temperatures on 1st and 15th at West Plains should be 30, 26, and 29, respectively; mean minimum should be 26.3.

Daily Precipitation for January 1943

Station	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand			T.			.03	T.							.03	.03		T.	.30	T.					.10							T.	0.49
Amity[2]	do			.02	T.			T.	T.	T.					T.		T		.15	.11						T.							0.28
Bethany	do																		.12							T.						T.	0.12
Bowling Green[2]	Mississippi							.80	.10										.20														1.10
Brookfield	Grand						T.	T							T.	T.		T.	.45														0.45
Brunswick[2]	do			.04				.07	T	T.					T.	T.			.35	.12										T.			0.58
Canton, Lock No. 20[2]	Mississippi			.28	.02		T.	.05	.03	.03	.02				.01	.01	.06		.40	.11													1.02
Centralia[2]	do							.15											.18	.02												.21	0.56
Chillicothe[2] (A)	Grand						.08	T.		T.						T.			.07	.08													0.23
Clifton Hill	Charlton		T.	T.			.05	T.	.02	.02						.01		*	.40	.10												T.	0.60
Columbia[1‡]	Missouri		T.	.01			.27	.03	T.	T.					.01	T.		.05	.14	T.										T.	.37	0.88
Conception	do		T.	T.			T.	T.	T.	T.						T.	T.	T.	.16						.07						T.	0.23
Edgerton	do		T.	T.			T.			T.								T.	.10	T.											T.	0.10
Edina[2]	Mississippi			.10	T.			T.	.04	.12	T.				T.	T.	.06		.28	.12													0.72
Elsberry	do			.60			.33	.10										*	.12												.23	1.38
Farber[2]	do							.18	.04	T.	T.				T.	T.	T.		.09	.01												*	0.32
Fayette	Missouri						.11	.03	T	.01					.01	T.		T.	.31												.01	.18	0.66
Fulton	do						.26	T.	T.	T.	T.				.04			T.	.07	.02												.39	0.78
Gallatin[2]	Grand			.02				T		.01						T.		T.	.15	.09												T.	0.27
Grant City	do		T.	.01			T	T										T.	.12	T.					.08	T.				T.		T.	0.21
Hannibal[3] (A)	Mississippi		T.	.11			.12	.04	T.	.03					T.	T.		.12	.12													.13	0.67
Hermann[2]	Missouri						T	.30	.03							.10			.01	.03												.03	0.50
Kahoka[2]	Mississippi		T.	.19				.04	.03	.04					.02	*	.09		*	.40					T.								0.81
Kansas City Airport[1‡]	Missouri		T.	T.			.01	T.	T.	T.							T.	.16	.14						T.							T.	0.31
Kansas City University	do		.09	.02			.06		T.	T.								T.	.31														0.48
Kidder[2]	Grand							T.		.01									.04	.04													0.09
King City	Missouri		T	.03			.07		.01							.06			.28	.04					.03	T.					.03	.03	0.55
Kirksville	Mississippi			.10			.04	T.	.04	.06	T					.08		T.	.40	.12												.09	0.93
LaBelle[2]	do			.18				.03	.02	.05							.10		*	.35													0.73
Lawson	Missouri			T.			.05			T.									.18	.10													0.33
Linneus[2]	Grand			.01	T.			.04		T.								T.	T.	.26	.04													0.35
Louisiana[2] (A)	Mississippi							.30	.10											.20	T.													0.60
Lucerne[2]	Grand		.05				T.		T.	.02						.04			.07	.02					T.								0.20
Macon[2]	Chariton			.03	T.			.03	.02	.03						T.			.30	.32													0.73
Madison[2]	Mississippi							.09	.05							T.			.29														0.43
Maryville	Missouri	T.	T.	.20			T		.01						.03	.03	T.	T.	.30	.10						.12						T.	0.79
Memphis[2]	Mississippi			.25	T		T	.05	.03	.01	.03					T.	.15		.15	.17						T.							0.84
Mexico[2]	do							.30	.07	.10	.05								.20	.15												.26	1.13
Milan[2]	Grand			.05				.06		.04						T.			.21	.06													0.42
Moberly[2]	Mississippi			T.			*	.04	.01		T.			T.	T.	.01		T.	*	.40													0.46
Monroe City	do					.02		.05	.04	.03	.02							T.	.27	.06												.02	0.51
New Florence[4‡]	Missouri			.01	T.		.11	.01	T.	T	T.				.08			.03	.01	T.					T						.37	0.62
Oregon	do		T	T.			T.	T										T.	T.	.30					T.	.20					.10	0.60
Palmyra[2]	Mississippi			.20			T	.12	T	.14						.01	T.		.40	T												0.87
Paris[2]	do		T.	T.			T.	.09	.07	.02	T.					T			.25	.06											T.	T.	0.49
Perry	do			.05			.15	.05	.05	.02									.19													.07	0.58
Philadelphia[2]	do			*			*	*	*	.32					.01				*	.39													0.72
St. Charles[2]	Missouri			.02			T.	.14	.02	.04	T.									.02		T.										.05	0.29
St. Joseph[1‡]	do		T.	T.			T.	T.	T.	T.				T.	.01	T.		.01	.19						T.						T.	0.21
Saverton, Lock No. 22[2]	Mississippi			.06	T.		T.	.25	.03	.01	.07				T.	T.	T.		.23	.11						T.					T.		0.76
Shelbina	do			.06			.05	.03	.05	.15								T.	.28	.09												.05	0.76
Shelbyville[2]	do							.35		*	.20								*	.32													0.87
Steffenville	do		T.	.24			.01	.02	.02	.04	T.				T.	.07		.02	.18	.10												.09	0.79
Tarkio	Missouri		T.	T						.05						.20			.15						.10						T.	0.50
Trenton	Grand			.07			.01	.02	T	.01						.01		T.	.17	.04					T.							.04	0.37
Troy[2]	Mississippi			T.				.22	.02	T	T.					.02			.03	T												.20	0.49
Unionville[2]	Chariton			.09			.02	T.	.02	.05	T.					T.	.09		.07	.16													0.50
Warrenton	Mississippi						.14	T.	.04	T.					.16					T												.37	0.71
Keokuk, Iowa[3]	do		.08	.03			.05	.06	.08	.04					T.	.13		.26	.20	T.												.11	1.04
Southwestern Division																																	
Altona[2]	Osage																	T.	T.														T.	
Anderson (near)	Neosho							T.	T.																					T.			0.18
Appleton City	Osage							.05		.03								.02	*	.08										T.			0.07
Bolivar	do							.03	T	T								T	.04	T.													0.63
Boonville[2] (A)	Missouri							.02	.08	.07	T.								.25	.04												.17	0.76
Buffalo[2]	Osage		.26																	.50													0.75
Butler[2]	do					.03													.53	.10	.03											.06	0.05
Caplinger Mills[2]	do							.05	T											T.													0.05
Carthage	Neosho						.04	T													.01												0.87
Clinton[4]	Osage						.05	T	T	T.								.04	.18												T.	.05	0.32
Concordia	Missouri						.08	.04	T.	T.									.35	.02												.12	0.61
Crocker	Osage						.17							T.				T	T.													T.	0.17
Eldon[2]	Missouri								*	.21										.03	.02											.09	0.35
Eldorado Springs	Osage						T		T									T.	.10	.18											T.		0.28
Fort Leonard Wood	Gasconade			T.			.18	T.	T					.02				T.	.05	.05													0.30
Galena[2]	White						T	T.										T.	T.												T.		T.
Hailey	do			.02			.08											.02															0.12
Harrisonville[2]	Osage						.16												.34	.21												.06	0.77
Jefferson City[2]	Missouri							.10											.03	.05												.18	0.36
Joplin[3]	Neosho																	.08															0.08
Lakeside[2]	Osage			T.			.06	.10	.01	T.	T								.02	.06												.11	0.36
Lamar[2]	Neosho																		T	T.													T
Lebanon[2]	Osage							.10												.04													0.14
Lexington[2]	Missouri			.03			.03	.03	.02										.35	.23												T.	0.69
Lockwood	Osage						.03											T.	T.	.05													0.08
Manes[2]	Gasconade																																
Marshall	Missouri						T	T.	T.	T.								T.	*	.60												T.	0.60
Mountain Grove	White						.18													T.				T.									0.18
Mount Vernon	Neosho						T.											T.	T.													.05	0.05
Neosho	do						.05											T	.03														0.08
Nevada	Osage						T.											T.	.04	.02												T	0.06
Osceola[2]	do		.02				.07	T.												.05												.06	0.20
Ozark Beach[2]	White						.05	.05																									0.10
Pleasant Hill[2]	Osage			T.			.01	.03		T.	T.								.20	.07											T.	T.	0.31
Roby	Gasconade						.18												T.	T.													0.18
St. Thomas (near)[2]	Osage						T.												.03	.05												.12	0.20
Sedalia	Missouri						.17	T.	T.	T.								T.	.16	.06												.20	0.59
Seligman	Neosho						.05											T.	T.														0 05
Seymour (near)	White						.09												T.														0.09
Springfield[1‡]	do			T		T.	.04	T.	T.		T.				T.		T.	.02	.01							T.					T.	0.07

Continued on next page

Daily Precipitation for January 1943 (Continued from preceding page)

Stations	Drainage basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division – Concluded																																	
Stover[2]	Missouri						.06	.01											.01	T												.13	0.21
Sweet Springs	do			T.			.10	.01	T.	T.								.03	.48	.06										T.	.19	0.87
Warrensburg	do						.12											.01	.35	15										T.	.18	0.81
Warsaw (A)	Osage						.08		T.	T.								T	.06	.16											.02	0.32
Wasola	White						.15											T	T													0.15
Waverly[2]	Missouri			T.			T.	.06	T	T.	.02								.23	.10												0.41
Southeastern Division																																	
Advance[4]	St. Francis							T.	T									T.	T.							T.				T.	.13	0.13
Alton (near)	Black																						T.								T.	T
Annapolis	St. Francis	.02					.07		T.																						.01	.14	0.24
Arcadia[2]	do						T.	.07	T.					T.					T.	T.											.02	0.09
Belleview	Meramec							.10	T										T.												.22	0.32
Birch Tree(near)	Black						.13																									0.13
Bragg City	St. Francis							.17											.05								.46				.29	0.97
Campbell	do							.05	.01										.02								.60			.02	T	0.70
Cape Girardeau[2]	Mississippi																		T								T				T.	T.
Carutherville[2]	do							T	.22										.05								.30					0.57
Centerville[2]	Black						T.	.08		T.									T.	T.											T.	0.08
Crystal City	Mississippi														T.					T.												0.31
Deering[2]	St Francis							.02	T									T.													.31	0.31
Dexter[2]	do			T.				T.	T										T.								.60					0.62
Doniphan	Black																										.14				T.	0.14
Farmington	St. Francis						T.	.02	T.	T.				T.					T.	T.						T.	.01				T.	0.01
Fisk[2]	do							T																						T.	T.	0.02
Fredericktown[2]	do							T.												T.							.09				T.	0.09
Gerald[2]	Meramec				.12	.13			.03						.02				.01	.02											.28	0.28
Goodland	Black						.04	.03																								0.33
Greenville	St. Francis						.02																			T.						0.07
Jackson	Mississippi								.04																	.05					.24	0.02
Jefferson Barracks	do						.10	.10							.55										.05					.01	.60	0.33
Jerome[2]	Gasconade						.05	.25						T	T.					.05												1.41
Koshkonong	Black		T.				.04																			T.						0.35
Leeper[2]	do							.02																								0.04
Licking (near)	Gasconade						.21													.03							T.					0.02
Marble Hill	Mississippi								T.						T.		T.															0.24
Meramec Park[2]	Meramec						.02	.18		.03				T.		.04			T.	.02											T.	.32	T.
Morehouse	Missi-sippi							.02	T.																		.10						0.61
New Madrid[2]	do								.13										T.								.45						0.12
Owensville[2]	Gasconade							.23																									0.58
Pacific[2]	Meramec						T	.20	T.	.14									T.								.27					0.23
Parma[2]	St Francis								.04																						.47	0.81
Perryville[2]	Mississippi						T.	T.	T.	T.									T.													0.31
Poplar Bluff[2] (A)	Black																										.27				T.	.03	0.03
Richwoods[2]	Meramec						T.	.10	T.	.05									T.								.18						0.18
Rolla[4]	do			T.			.33	T.	T.		T.		T.	T.				.01	.01							T.				T.	.05	0.20
St. Louis:																															T.	0.35
City Office[1‡]	Mississippi			T.	T.		.18	.04	.01	.05	T.				.09	T.		.03	.09	.01					T.	T.				.01		.23	0.74
Airport[4‡]	Missouri			T	T.		.16	.02	.01	.05	T.				.08			.02	.07	T.					T.	T.				T.		.19	0.60
St. Louis Univ.[3‡]	Mississippi						.16	.02	T.	.08					.05				.08											.01		.26	0.66
Washington Univ.[2‡]	do							.19		.03	.04					.11			.09	.03												.21	0.70
Salem	Meramec						.12													T.													0.12
Sikeston[2]	Mississippi							T	T.	T.	T.						T.										.13				.05	0.18
Union	Meramec						.20		T.						.05				T.	T.											.05	.35	0.60
Valley Park[2]	do			T.			T.	.24	T.							.10			T.	.07										T.	.24	0.65
Van Buren	Black						F.																									T.
Wappapello Dam[2]	St Francis						T.		T	T									T.								.02				.02		0.04
Weingarten	Mississippi						.03	T.	.02	T.				T.	.04				.02	.01											.02	.14	0.14
West Plains[4]	Black						.14											T.	T.							T.				T.	.03	0.17
Williamsville[2]	do							.01																			.01					.01	0.08
Willow Sprgs.(near)[2]	White						T.	.13											T.												T.	.13	0.13
Zalma(near)	Mississippi																									T.					.06	.06	0.06
Cairo, Ill.[1‡]	do			T.			T.	.05	T.	T.	T.				T.		T.	T.	T.							.11	.03			T.	.14	0.33

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for January 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.050	.019	.069	*	*	.108	*	*	.117	*	*	.063	*	.048	.049	.116	*	*	*	*	*	*	*	.354	*	*	*	*	*	*	.294	1.287
	Mean temperature	45	50	36	28	32	27	34	28	36	36	36	34	34	38	46	42	29	14	9	23	29	46	44	48	10	18	26	24	30	34	32.0
	Wind movement	48	27	53	162	61	35	35	89	83	116	34	53	32	32	45	63	102	62	132	53	79	32	25	22	139	79	16	29	12	11	9	1,770
St. Louis (Washington University)	Evaporation	.022	.023	.033																													
	Mean temperature	36	48	50	24	28	27	36	29	32	32	38	30	32	34	48	42	28	18	6	20	27	42	42	55	10	16	22	28	34	44	40	31.8
	Wind movement	42	26	41	86	33	32	43	18	67	49	36	50	50	50	47	43	121	82	69	36	65	25	30	42	98	113	65	40	34	27	33	1,593

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for January 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	35	35	35	28	43	37	29	27	44	35	42	33	40	50	60	38	10	12	4	29	44	56	38	41	15	27	39	39	43	46	41	35.3
	Minimum	28	28	29	13	13	14	28	24	20	27	26	23	17	16	29	34	9	1	−14	−14	− 3	22	30	24	− 1	− 1	1	11	18	29	25	16.3
Chillicothe §§	Maximum	35	35	25	27	41	35	24	31	43	34	41	32	41	49	60	28	6	2	6	26	42	54	31	27	14	25	39	40	44	43	30	32.6
	Minimum	29	28	24	11	11	14	23	21	20	28	27	19	11	11	33	27	4	− 4	−17	−16	− 4	20	19	19	− 3	− 3	0	11	17	28	27	14.0
Columbia	Maximum	46	46	41	29	42	39	34	27	42	38	43	35	38	48	63	51	26	8	5	33	46	65	43	54	14	28	41	40	44	49	43	38.7
	Minimum	33	36	16	14	15	33	25	24	22	29	29	23	20	35	34	26	8	− 3	− 12	− 3	24	35	30	6	1	3	13	20	30	26	24	19.9
Fayette	Maximum	46	37	38	28	42	39	34	26	43	39	41	36	36	49	61	58	28	9	4	30	45	60	57	45	20	27	42	39	46	48	42	38.5
	Minimum	22	30	19	11	11	28	23	22	19	21	23	18	15	24	30	27	8	− 3	−16	−18	18	27	25	20	− 2	0	7	15	25	23	26	16.1
Grant City	Maximum	38	33	33	25	41	48	36	24	39	35	39	31	33	47	53	43	15	− 1	7	23	39	51	37	27	5	18	41	41	40	37	32	32.6
	Minimum	28	30	11	6	6	33	16	19	17	26	25	15	8	30	28	13	− 3	− 9	−23	− 6	6	27	11	− 1	− 7	0	9	20	25	21	17	12.8
Hannibal	Maximum	44	38	38	26	38	37	35	29	38	34	40	29	33	45	57	48	26	9	2	28	42	53	44	46	11	22	37	38	45	49	39	35.5
	Minimum	30	28	15	11	13	32	25	23	22	27	26	18	10	31	32	25	5	− 4	−14	− 9	18	26	22	5	− 2	0	9	16	27	30	20	16.7
Kansas City Airport	Maximum	48	36	36	31	45	40	27	26	45	39	42	37	40	51	63	52	16	4	6	29	47	57	40	42	15	28	43	43	44	39	35	37.0
	Minimum	31	30	17	13	18	27	20	21	23	31	30	25	20	40	40	16	4	− 5	−13	− 2	28	30	26	2	0	5	18	25	30	29	24	19.6
Kirksville	Maximum	42	35	33	24	38	36	34	26	35	31	38	34	32	44	55	53	24	3	− 1	25	41	56	46	32	14	25	41	40	43	44	38	34.3
	Minimum	22	28	28	10	11	13	31	23	21	24	27	19	11	10	32	27	8	1	−15	−17	−10	19	25	20	− 2	− 1	0	11	13	25	29	14.3
Lawson	Maximum	49	40	34	28	35	37	34	25	42	35	42	35	37	34	62	50	22	7	9	27	43	55	40	32	27	31	42	41	45	41	45	36.3
	Minimum	32	27	17	11	14	30	18	21	18	26	22	22	13	28	32	20	3	− 6	−17	− 7	16	29	22	8	− 3	1	12	18	27	25	24	16.2
Louisiana §§	Maximum	44	40	43	26	38	38	35	28	46	33	41	29	40	45	59	39	18	10	4	31	42	55	45	52	11	25	38	39	47	50	40	36.5
	Minimum	26	30	31	15	13	13	33	25	24	24	27	23	16	14	34	34	16	10	− 9	−17	− 4	20	21	31	2	1	2	5	10	27	27	16.9
Macon §§	Maximum	38	36	36	28	40	38	32	26	41	33	41	32	39	47	59	29	10	5	2	27	42	57	39	40	15	27	40	39	44	45	32	34.2
	Minimum	22	28	28	10	11	13	31	23	21	24	27	19	11	10	32	27	8	1	−15	−17	−10	19	25	20	− 2	− 1	0	11	13	25	29	14.3
Maryville	Maximum	37	32	31	23	39	37	34	24	39	35	38	32	32	46	56	51	15	0	7	24	38	49	44	27	11	26	37	40	38	38	32	32.6
	Minimum	27	28	12	6	9	34	14	17	15	22	25	14	9	29	30	15	− 1	−10	−21	− 5	10	28	12	3	− 7	− 4	10	20	27	18	19	13.1
Mexico §§	Maximum	42	42	38	32	42	36	33	29	41	39	44	36	40	49	62	34	16	10	8	34	48	64	51	53	15	25	40	41	46	52	44	38.3
	Minimum	26	30	32	12	13	17	28	24	21	25	28	19	15	16	32	31	14	5	−12	−13	0	25	30	27	0	1	2	12	14	26	27	17.0
Moberly §§	Maximum	40	37	36	27	40	37	31	26	40	34	41	31	40	47	60	32	13	5	2	29	42	59	50	49	14	27	40	40	45	48	36	35.4
	Minimum	27	31	30	12	12	13	30	23	21	26	28	21	15	16	32	31	12	3	−10	−12	2	25	27	24	1	0	1	15	18	27	25	17.0
Oregon	Maximum	41	37	32	28	43	39	35	27	41	33	41	32	39	47	59	29	10	5	2	27	42	57	39	40	15	27	40	39	44	45	32	34.3
	Minimum	27	27	16	6	12	33	12	17	18	27	27	18	11	31	35	16	0	− 9	−18	− 2	17	27	17	6	− 5	− 2	15	24	29	20	19	15.2
St. Charles §§	Maximum	44	54	54	32	40	35	36	31	39	45	45	36	42	47	59	44	28	20	9	35	51	56	50	70	15	22	39	40	47	55	45	40.8
	Minimum	28	33	38	16	17	17	33	27	24	24	23	20	20	20	32	35	27	15	− 5	− 6	4	28	31	34	7	6	6	10	15	30	32	20.7
St. Joseph	Maximum	35	34	32	27	43	38	23	24	40	38	39	33	39	48	60	48	12	0	− 9	−15	1	23	31	20	− 2	− 3	2	16	24	31	25	33.8
	Minimum	27	29	15	11	19	22	17	20	23	27	28	22	16	39	38	12	0	− 9	−15	1	23	31	20	24	1	0	1	15	18	27	25	31.8
Treuton	Maximum	44	37	33	26	41	37	35	25	41	36	40	34	35	48	60	55	24	4	3	25	42	46	38	38	21	21	38	40	44	40	37	34.8
	Minimum	29	32	20	10	12	30	20	21	20	29	26	18	12	30	32	23	3	− 5	−16	− 8	15	18	17	11	− 3	0	10	16	27	28	23	16.1
Unionville §§	Maximum	34	35	34	27	40	36	21	29	39	35	40	30	39	45	50	25	6	5	5	24	42	56	32	27	12	34	42	41	47	45	32	32.6
	Minimum	26	28	30	8	7	10	22	20	19	24	25	15	8	6	30	23	0	− 4	−16	−20	− 4	17	17	13	− 5	− 4	− 3	10	15	24	24	11.8
Warrenton	Maximum	46	53	53	29	44	35	33	27	38	38	42	35	36	45	60	55	32	26	9	33	49	60	54	66	34	26	38	41	46	53	48	41.4
	Minimum	35	34	29	14	12	30	26	24	22	30	24	20	18	27	34	32	16	8	−11	− 6	23	30	30	32	2	3	9	16	29	30	29	21.0
Keokuk, Iowa	Maximum	43	36	36	24	39	40	33	27	36	32	36	24	34	44	50	39	25	7	3	28	38	51	32	38	8	20	40	38	44	47	34	33.1
	Minimum	32	31	16	12	13	33	23	23	25	29	21	16	7	34	24	25	7	− 3	−13	− 4	19	28	20	4	− 3	− 1	12	17	28	34	15	16.9
Southwestern Division																																	
Clinton	Maximum	59	58	42	34	47	38	33	28	48	37	45	43	44	54	59	54	22	8	5	37	49	64	44	56	15	29	46	42	44	46	42	41.0
	Minimum	31	39	19	16	18	32	21	19	19	28	28	25	23	35	37	21	8	− 5	−17	−17	23	31	31	7	2	6	12	20	30	25	22	19.0
Eldon §§	Maximum	58	67	40	31	45	35	32	26	46	42	45	39	43	51	63	48	20	11	4	37	53	68	60	67	15	23	44	42	45	53	45	41.8
	Minimum	25	34	38	15	14	17	31	23	19	25	27	25	23	24	34	39	19	7	−10	−12	3	24	31	32	4	2	4	9	15	23	28	19.1
Harrisonville §§	Maximum	53	43	31	32	45	34	24	32	46	38	41	43	41	53	60	33	10	− 3	8	33	48	60	50	47	17	28	43	42	41	43	37	37.2
	Minimum	27	30	29	12	12	18	20	14	16	25	26	18	19	22	35	31	8	− 4	−18	−18	4	29	29	27	− 1	1	1	16	22	21	22	15.9
Jefferson City §§	Maximum	55	61	49	29	44	35	28	26	45	39	44	38	42	48	63	41	18	15	6	35	52	69	59	65	14	30	41	41	45	54	44	41.1
	Minimum	25	28	33	14	16	17	22	23	22	22	28	22	21	22	28	33	18	7	− 9	− 9	4	15	22	30	5	3	6	12	14	29	29	17.8
Joplin	Maximum	66	68	63	33	45	40	36	29	50	41	48	48	48	54	62	56	27	13	8	37	54	70	65	72	15	30	47	44	48	59	59	46.3
	Minimum	42	54	24	19	22	35	22	22	23	29	34	28	32	40	42	27	13	− 2	−10	2	35	44	44	15	7	8	15	26	36	28	30	25.4
Lamar §§	Maximum	64	70	38	36	49	39	28	33	50	43	52	48	50	54	58	46	20	2	6	39	53	68	60	67	10	34	42	42	45	50	45	43.3
	Minimum	24	27	30	12	12	15	20	12	13	21	23	15	15	21	28	29	11	2	−18	−18	0	29	32	29	0	0	0	3	11	18	18	14.0
Lebanon §§	Maximum	67	70	40	38	54	35	29	25	47	46	55	45	57	55	63	66	20	16	13	39	56	70	64	79	14	29	46	43	46	53	55	46.3
	Minimum	25	35	38	12	12	15	27	19	15	22	24	19	19	20	33	41	16	8	−13	0	5	26	34	37	2	3	1	6	15	24	25	18.2
Lexington §§	Maximum	44	35	30	32	44	34	23	30	46	37	44	38	42	52	61	31	9	1	8	30	45	57	44	42	17	29	45	43	44	40	36	35.9
	Minimum	30	29	30	13	13	19	21	21	21	28	30	22	17	17	37	30	7	− 1	−14	−11	4	28	26	18	− 1	1	3	13	21	28	27	16.9
Marshall	Maximum	50	42	35	29	44	42	35	26	44	42	43	41	38	50	60	58	27	8	4	31	43	62	61	33	21	26	42	42	45	44	43	39.1
	Minimum	29	29	23	13	18	33	23	23	21	20	21	21	17	31	34	26	8	0	−15	−10	19	30	21	10	0	3	11	19	29	29	18	17.9
Mountain Grove	Maximum	64	67	62	30	45	39	32	26	42	41	49	48	47	50	57	66	51	20	16	31	55	67	67	78	73	34	43	46	43	54	55	48.3
	Minimum	32	40	28	14	17	29	24	19	14	29	26	24	23	31	35	46	19	14	− 8	2	24	33	41	48	7	7	10	13	29	30	36	23.7
Neosho	Maximum	66	69	67	36	46	45	39	30	50	50	50	48	51	53	62	62	33	19	12	38	56	71	69	74	49	33	47	58	50	59	59	50.0
	Minimum	39	40	32	19	17	32	27	15	16	23	24	18	22	27	29	33	15	7	− 8	0	31	31	35	39	7	9	5	18	32	21	37	22.3
Nevada	Maximum	61	65	64	35	46	42	37	28	47	43	48	46	45	53	56	55	31	11	11	37	51	65	62	60	22	32	47	46	45	51	47	44.8
	Minimum	28	40	27	15	18	33	20	15	16	28	27	17	23	28	35	28	9	2	−19	− 7	21	33	34	20	2	4	10	19	30	19	28	19.3
Sedalia	Maximum	52	50	41	29	45	43	35	28	45	41	42	41	40	50	60	55	27	12	4	34	47	64	63	37	20	27	43	42	46	48	45	40.5
	Minimum	31	40	26	14	17	32	24	22	20	27	28	22	22	29	34	27	8	0	−16	−10	20	32	31	20	− 1	1	9	18	27	26	29	19.6
Springfield	Maximum	62	68	57	31	44	36	34	23	45	39	48	41	47	49	58	60	26	15	9	37	53	69	67	75	15	31	45	44	46	54	57	44.7
	Minimum	37	43	20	15	19	31	21	16	16	28	27	24	26	33	34	25	13	− 5	−10	4	25	38	39	13	4	6	11	17	33	28	22	21.1
Warrensburg	Maximum	54	52	38	29	41	40	34	28	46	40	45	43	34	44	59	51	28	15	5	32	44	60	50	48	20	28	40	43	41	43	43	39.3
	Minimum	31	35	22	13	17	32	21	20	18	26	27	22	20	29	34	25	7	− 2	−18	− 8	20	32	28	18	− 1	2	11	..	..	..	..	[d]17.8
Southeastern Division																																	
Arcadia §§	Maximum	64	54	56	34	44	37	35	29	44	43	53	44	42	52	59	69	30	32	17	34	50	57	64	79	17	32	45	47	48	58	55	45.9
	Minimum	28	37	43	16	15	15	30	25	20	20	21	27	18	23	32	37	28	19	− 4	− 4	1	23	28	32	10	9	7	7	10	26	25	20.1
Birch Tree (near)	Maximum	69	70	59	35	35	37	35	32	46	44	51	48	51	54	48	70	57	27	27	34	51	64	70	78	69	34	44	46	48	57	61	50.0
	Minimum	27	47	32	13	11	26	29	20	13	29	16	16	18	26	29	38	22	16	− 8	− 6	22	22	29	33	8	9	8	8	8	22	37	20.0
Caruthersville §§	Maximum	68	67	63	37	40	44	38	34	45	48	55	45	45	51	62	72	38	34	21	31	61	67	62	76	30	30	40	42	49	54	64	49.1
	Minimum	30	32	44	23	20	20	32	30	22	21	25	22	23	28	33	32	34	28	4	5	10	28	38	55	23	15	13	15	21	33	31	25.5
Crystal City	Maximum	57	62	58	34	42	37	37	31	41	41	51	40	37	48	60	66	37	26	22	35	53	53	52	80	30	28	40	41	51	56	57	45.3
	Minimum	28	27	31	17	11	22	30	27	23	23	21	26	29	25	28	37	24	15	− 4	− 2	21	22	28	29	9	8	3	9	21	23	32	20.7
Doniphan	Maximum	62	61	62	38	41	41	41	39	52	47	59	55	48	59	62	73	60	44	32	35	52	67	71	77	73	35	47	49	50	59	65	53.5
	Minimum	27	31	33	19	13	21	32	26	17	27	16	19	21	24	25	52	32	24	0	− 1	21	22	29	35	17	17	12	11	29	25	33	22.9
Farmington	Maximum	61	54	57	36	43	38	36	31	42	41	52	46	41	50	57	68	45	28	20	32	50	55	56	79	72	27	38	43	48	57	56	47.1
	Minimum	35	41	35	15	16	28	30	25	20	32	23	25	21	29	33	44	23	17	− 5	− 1	24	30	40	38	8	8	9	15	29	28	35	24.3
Jackson	Maximum	56	57	62	45	38	39	38	38	41	49	53	50	39	52	57	68	67	35	32	32	45	61	61	75	75	30	41	43	48	55	58	49.7
	Minimum	25	35	44	19	15	26	33	29	23	33	22	26	20	29	31	51	30	23	1	2	28	28	33	34	13	13	13	16	31	30	30	25.4
Poplar Bluff	Maximum	64	64	65	40	36	43	41	34	54	48	59	53	43	49	56	68	65	41	30	34	49	66	68	78	72	34	44	49	49	60	65	52.3
	Minimum	39	36	40	19	16	27	26	27	20	32	24	23	23	23	29	32	41	31	26	1	1	23	27	36	42	16	15	13	18	28	28	35	25.6
Rolla	Maximum	59	67	57	29	42	35	33	26	43	39	46	37	40	48	59	62	28	16	9	35	52	63	53	78	14	27	40	41	48	54	55	43.1
	Minimum	35	41	17	12	17	30	21	21	17	26	26	22	22	35	34	26	13	− 5	−10	− 4	23	32	40	11	4	3	8	16	29	30	22	19.8
St. Louis	Maximum	45	58	58	28	39	37	36	30	40	36	43	33	36	45	58	54	30	19	7	33	50	52	50	73	14	26	40	40	47	54	48	40.6
	Minimum	39	40	20	17	20	33	28	27	25	32	30	25	22	34	38	30	19	2	− 5	3	26	33	38	12	6	8	15	20	32	35	27	23.6
Salem	Maximum	63	66	57	32	45	33	33	26	44	44	51	41	45	51	59	66	36	20	11	− 8	− 3	24	29	32	41	6	6	6	7	29	24	33	21.7
	Minimum	32	37	31	14	15	29	26	22	16	31	24	23	19	27	35	36	20	11	− 8	− 3	24	29	32	41	6	6	6	7	29	24	33	21.7
Sikeston §§	Maximum	60	65	65	38	41	42	39	34	44	47	55	47	44	54	59	72	35	40	19	36	49	65	75	80	21	30	41	43	49	56	62	48.6
	Minimum	29	37	43	20	17	17	32	30	24	24	26	24	22	22	33	33	33	26	4	2	3	28	36	39	17	15	13	13	18	31	36	24.1
Union	Maximum	55	65	58	29	42	40	36	31	41	42	49	41	41	49	62	59	37	26	15	34	54	63	55	78	41	28	43	43	51	58	54	45.8
	Minimum	35	29	29	10	13	22	29	26	22	31	21	22	17	23	33	35	19	12	− 6	0	25	22	28	30	7	6	5	9	26	25	31	20.5
West Plains	Maximum	66	67	56	35	44	35	36	28	47	44	54	46	45	53	61	70	33	26	17	32	55	65	70	78	26	35	43	47	45	58	61	47.7
	Minimum	27	31	24	15	14	29	26	21	15	22	20	22	23	34	29	33	22	1	− 5	− 1	17	21	29	26	10	11	8	10	30	21	27	19.7
Cairo, Ill.	Maximum	54	62	62	33	35	40	38	34	41	41	51	40	38	50	61	68	40	39	17	33	49	63	63	74	35	30	41	37	45	53	60	46.0
	Minimum	41	43	29	21	23	31	33	31	26	33	30	28	26	34	35	40	31	17	5	7	26	37	43	35	17	17	17	23	32	37	33	28.4

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 2-25-43—1050.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

MISSOURI SECTION

H. C. GROSS
ST. LOUIS, MO.

VOL. XLVII FEBRUARY 1943 No. 2

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The past month was unusually mild and dry, with an abundance of sunshine and very little snow. There were no severe storms, although rather high winds prevailed on several days but without damage.

Temperatures fluctuated rather sharply during the month, but extremes were not unusual. It was the mildest February since 1938 and the ninth mildest of record. The prevailing warmth was general over the entire State, except in Barton County, where the mean temperature for the month was slightly below normal. Warm periods were 2d-10th and 19th-24th, with cold periods 11th-16th and 25th-26th. The 9th was the warmest day generally, when temperatures ranged from the high sixties to the high seventies with one station reporting 80°, while the 14th, 15th, and 16th were the coldest days with minimum readings ranging from about 10° above to 10° below zero.

Precipitation for the month was decidedly deficient and occurred principally in the form of rain, practically all of which fell during the first half of the month. It was the second consecutive month with a decided deficiency of moisture and the State average for the first two months of this year is by far the least of record for any similar period. Despite this two months deficiency, soil moisture was mostly ample for current needs and water supplies were plentiful. However, the top-soil was becoming rather dry the latter part of the month in some sections. All Divisions of the State averaged considerably drier that normal but the deficiency was less in the Northern than in the Southwestern and Southeastern Divisions. Not a single station received an amount in excess of normal.

Snowfall was much less than normal for February and several stations received none, or only a Trace. Heaviest falls were in the extreme northeastern counties where monthly totals ranged from two to nearly five inches. The snow that did fall melted rather quickly and the ground was bare practically all month.

The mild temperatures and bright sunshine, together with the light precipitation, combined to make the month nearly ideal for outdoor work. Considerable plowing was accomplished the latter half, especially in the southern and central sections and some oats were sown. Wheat and grass made some growth but it was mostly too dry the latter half for best results. Lack of snow cover and thawing and freezing caused some heaving in wheat fields. The mild, open weather was particularly favorable for livestock and substantial savings of feed resulted as the livestock were able to forage for themselves during much of the month. The mild weather was advancing early peach buds too rapidly at the close of the month, and colder weather was needed to retard this rapid advancement. Other fruits remained dormant.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 39.1°, or 5.9° warmer than normal. The highest monthly mean was 45.0° at Campbell, and the lowest monthly mean was 30.5° at Memphis. The highest recorded was 80° at Union on the 9th, and the lowest was 10° below zero at Goodland on the 16th.

(Continued on page 9)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.72*	16	29.32*	9	8.9	25	nw.	26	75*	50*	55*	82	746
Kan. C. Airport	30.76	16	29.29	9	12.4	35	nw.	15	76	53	53	77	738
St. Joseph	30.73*	15	29.39*	9	9.5	28	nw.	15	85*	55*	62*	68	790
St. Louis	30.70*	16	29.41*	5	14.2	38	sw.	9	68	44	56*	81	701
Springfield	30.71	16	29.43	5	13.3	34	nw.	5	75	46	51	76	687
Cairo, Ill.	30.73	16	29.50	5	10.6	31	nw.	26	74	53	..	70	627
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation					Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	33.0	73	−17	2.22	2.04	2.22	2.39	....	7	..	..	..
1889	29.3	73	− 9	2.74	1.80	3.12	3.30	....	7	..	..	..
1890	35.5	81	− 8	2.71	1.12	2.04	4.97	....	7	..	..	..
1891	32.7	78	−13	2.45	2.05	2.33	2.96	2.4	6	..	..	..
1892	37.7	71	2	4.31	3.47	5.40	4.06	....	9	7	6	16
1893	27.9	65	−20	2.17	2.02	1.49	2.99	4.6	6	10	7	11
1894	30.8	72	−12	2.70	2.15	2.01	3.93	11.2	6	10	8	10
1895	23.6	77	−26	0.57	0.48	0.55	0.67	3.3	5	10	10	8
1896	35.6	81	−10	1.67	1.50	1.22	2.30	4.1	5	12	8	9
1897	34.8	74	−15	2.51	1.47	2.79	3.27	8.2	7	7	7	14
1898	35.4	78	− 9	1.61	1.54	1.47	1.81	0.8	5	13	6	9
1899	20.4	72	−32	2.30	1.75	2.06	3.10	5.3	6	12	8	8
1900	26.2	70	−16	4.00	3.87	3.35	4.77	16.6	10	10	6	12
1901	28.1	76	−19	1.74	1.41	1.51	2.31	7.6	6	13	7	8
1902	24.0	72	−17	1.62	0.89	2.10	1.88	5.5	5	11	8	9
1903	29.8	74	−25	3.25	1.98	3.34	4.42	5.8	7	11	6	11
1904	30.0	82	−18	1.02	0.64	0.63	1.78	1.5	5	11	8	10
1905	21.5	69	−40	1.68	1.72	1.69	1.63	13.2	8	11	6	11
1906	33.7	73	−13	2.42	2.66	2.17	2.43	4.8	7	15	6	7
1907	34.8	77	−15	1.28	0.79	0.92	2.12	4.5	6	12	5	11
1908	35.6	78	− 7	4.32	2.83	4.20	5.94	4.1	9	13	6	10
1909	38.8	71	− 4	3.24	2.37	2.52	4.82	3.1	9	13	5	10
1910	28.3	72	−24	2.17	0.92	1.89	3.71	10.2	6	13	5	10
1911	38.1	87	0	3.78	4.09	3.99	3.27	6.7	8	12	5	11
1912	28.3	72	−12	2.51	1.99	2.56	2.98	14.5	6	10	7	12
1913	29.8	78	− 9	2.15	2.08	2.62	1.75	8.5	7	12	5	11
1914	28.3	75	−11	2.80	2.03	2.55	3.83	14.0	7	12	6	10
1915	39.4	72	7	3.07	2.48	3.53	3.21	4.1	8	9	5	14
1916	31.4	78	−12	0.98	0.79	0.73	1.42	5.0	5	13	6	10
1917	30.5	83	−22	0.42	0.16	0.24	0.85	1.4	2	14	7	7
1918	34.9	85	−25	1.06	1.25	0.80	1.12	0.6	4	15	6	7
1919	35.3	71	−10	1.96	1.98	2.08	1.82	6.4	7	13	4	11
1920	34.5	78	− 5	0.62	0.33	0.40	1.14	1.2	4	11	6	12
1921	40.1	86	5	1.03	0.55	0.74	1.79	1.8	4	14	6	8
1922	35.4	80	− 5	1.83	1.37	1.62	2.49	1.9	5	14	6	8
1923	30.2	75	− 9	1.58	0.52	1.26	2.97	1.4	5	13	5	10
1924	33.8	79	− 5	1.84	1.58	1.92	2.03	8.1	7	14	4	11
1925	38.7	78	1	1.88	1.85	1.42	2.37	1.7	6	12	6	10
1926	39.4	76	− 4	2.07	1.93	1.81	2.46	2.9	6	11	6	11
1927	41.3	78	1	1.07	1.07	0.90	1.25	2.3	5	10	8	10
1928	37.0	73	− 2	2.27	2.18	2.17	2.47	1.8	7	12	6	11
1929	25.0	64	−23	1.96	1.31	1.72	2.86	9.4	7	10	5	13
1930	44.5	89	− 5	1.75	0.95	1.49	2.80	1.3	4	13	8	7
1931	40.9	75	5	2.49	1.46	2.82	3.20	0.3	6	12	6	10
1932	42.4	83	− 3	1.47	1.00	0.99	2.43	2.0	6	12	7	10
1933	32.2	78	−22	1.45	0.74	1.26	2.35	4.2	5	14	7	7
1934	32.5	79	−26	1.34	1.00	1.32	1.70	7.0	5	15	6	7
1935	37.4	80	0	1.54	1.63	1.45	1.55	0.2	5	10	6	12
1936	23.2	78	−25	1.50	1.43	1.33	1.73	4.1	6	12	7	10
1937	32.4	74	−15	1.38	1.20	1.46	1.48	3.5	6	11	7	10
1938	41.4	80	− 5	3.20	1.47	3.60	4.54	5.0	7	8	6	14
1939	33.0	71	− 9	3.17	1.73	2.70	5.08	8.6	9	11	6	11
1940	33.5	78	−11	1.59	1.11	1.37	2.28	5.5	9	7	6	16
1941	32.7	66	0	0.58	0.50	0.62	0.63	2.2	5	10	7	11
1942	33.0	74	−10	3.00	3.43	2.35	3.23	6.6	10	8	7	13
1943	39.1	80	−10	0.94	0.81	0.95	1.07	0.9	4	17	7	4
Period	33.2	89	−40	2.05	1.60	1.92	2.64	5.0	6	12	6	10

Natural History Library

Climatological Data for February 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	35.3	.....	67	19	0	14†	14	0.85	−0.77	0.63	3	2.0	3	21	5	2	s.	Curtis E. Grace
Bethany	Harrison	916	48	34.2	+ 6.7	66	19	− 1	14†	50	1.09	−0.33	0.74	3	3.0	4	14[b]	7[b]	5[b]	nw.	A. S. Cumming
Brookfield	Linn	767	2	36.2[a]	.....	72	9	0	14	2	1.17	.....	0.74	3	T.	4	19[a]	7[a]	1[a]	nw.	E. W. Patrick
Brunswick	Chariton	652	62	34.8	+ 5.0	74	9	2	15	64	0.85	−0.96	0.43	3	2.0	5	21	2	5	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	32.9	.....	68	9	− 5	16	13	1.02	−0.24	0.52	3	4.6	7	16	6	6	nw.	Lockmaster
Chillicothe	Livingston	779	34	34.8	+ 2.5	71	9	− 1	15	37	0 65	−0.80	0.59	3	1.0¶	2	25	2	1	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	37.6	+ 7.4	74	9	− 1	14	34	0.68	−1.06	0.37	3	1.0¶	3	15	10	3	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	38.4	+ 5.9	75	9	3	14	53	0.79	−1.25	0.47	2-3	1.0	7	15	11	2	sw.	U. S. Weather Bureau
Conception	Nodaway	980	54	35.2	+ 7.0	68	20	− 1	14	59	0.63	−0.52	0.57	3	1.2	2	12	11	5	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	36.5	+ 2.2	75	19	4	16	40	0.50	−0.84	0.50	3	T. ¶	1	8	13	7	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	12	....	.....	..	..	− 6	16	12	0.66	−1.00	0.59	3	1.0	2	17	9	2	sw.	John Dowell
Fayette	Howard	760	63	37.6	+ 7.0	75	9	0	14	60	0.75	−0.95	0.48	3	2.3	4	22	4	2	nw.	Irvin E. Schnell
Fulton	Callaway	818	55	38 8	+ 5.7	75	8†	1	14†	51	1.09	−0.58	0.65	3	1.5	5	14	10	4	sw.	Frank E. Hillgartner
Grant City	Worth	1,134	39	33.0	+ 4.4	65	19	− 3	16	51	0.67	−0.44	0.67	3	T.	1	12	10	6	sw.	Howard Rybolt
Hannibal	Marion	759	51	35.0	+ 5.3	74	9	− 2	14†	59	0.83	−1.03	0.55	3	3.7	5	18	8	2	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	38.6	+ 7.4	72	9	10	14	54	0.61	−0.86	0.45	2-3	T.	4	12	14	2	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	39.5	.....	73	9	9	16	5	0.72	.....	0.46	3	T.	4	11	6	11	w	University of Kansas City
Kidder	Caldwell	1,020	51	35.9	+ 7.5	70	9	2	14	55	0.59	−0.95	0.49	3	T.	3	13	11	4	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	35.4	+ 8.3	71	9	− 2	14	61	1.30	−0.23	1.04	3	1.5	4	17	11	0	sw.	Howard Coons
Lawson	Ray	1,070	5	36.8	.....	68	9†	4	14	5	0.94	.....	0.60	3	T. ¶	2	25	3	0	sw	Frank G. Gstrein
Louisiana	Pike	469	49	34.6	+ 3.7	76	9	− 6	16	62	0.72	−1.36	0.40	3	2.0¶	3	21	7	0	s	Stark Bro's Nurseries
Macon	Macon	875	44	33.2	+ 3.6	74	9	− 1	14†	50	1 11	−0.59	0.54	3	1.7	6	18	4	6	sw.	John W. Atwell
Maryville	Nodaway	1,169	53	34.1	+ 8.3	66	19	1	14	49	0.78	−0.65	0.64	3	1.2	4	19	2	7	nw.	R. B. Montgomery
Memphis	Scotland	787	4	30.5	.....	70	9	− 4	16†	13	1 15	+0.18	0.82	3	2.0	6	18	7	3	nw.	John W. Alexander
Mexico	Audrain	800	54	35.0	+ 4.9	78	9	− 1	15	65	0.84	−1.01	0.45	3	2.2	6	22	1	5	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	34.2	.....	76	9	1	14†	6	0.61	.....	0.40	3	0.2	4	11	10	7	sw.	Moberly Water Dept.
Oregon	Holt	1,048	87	37.0	+ 8.2	70	19	7	16	87	0.60	−0.77	0.45	3	1.5	3	17	8	3	sw.	Miss Mina Wright
St. Charles	St. Charles	520	55	37.6	+ 4.3	72	9†	2	16	65	0.36	−1.63	0.20	1	0.8	3	26	0	2	sw.	Martin L. Comann
St. Joseph	Buchanan	957	33	36.8	+ 7.2	71	19	7	14	71	0.79	−0.88	0.55	2-3	0.8	6	15	10	3	nw.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	5	36.6	.....	75	9	1	14†	5	0.76	.....	0.42	3-4	2.2	8	23	3	2	nw.	Lockmaster
Shelbina	Shelby	779	2	35.8	.....	74	9	− 6	16	50	0.66	−0.18	0.52	3	0.5	4	26	2	0	sw.	Guyman Hatcher
Steffenville	Lewis	650	45	35.2	+ 5.5	71	9	− 4	16	50	0.79	−0.98	0.63	3	1.0	4	18	6	4	sw.	Samuel D. Gross
Tarkio	Atchison	916	40	33 2	+ 4.2	67	22	5	14†	49	0.85	−0.43	0.78	3	0.5	2	12	12	4	nw.	Albert Volker
Trenton	Grundy	822	47	35.9	+ 6.5	70	9	− 1	14	48	1.14	−0.44	0.63	3	1.1	6	17	8	3	s.	W. H. Estes
Unionville	Putnam	1,062	50	31.8	+ 5.1	72	9	− 4	14†	50	1.05	−0.72	0 66	3	2.0¶	4	17	10	1	nw.	C. D. Wilson
Warrenton	Warren	816	61	38.9	+ 8.0	77	9	− 1	16	53	0.77	−1.12	0.67	3	1.4	2	24	1	3	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	33.4	+ 5.1	71	9	− 3	16	71	0.77	−0.78	0.58	2-3	4.9	5	18	2	8	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**35.6**	**+ 5.8**	**78**	**9**	**− 6**	**16**	..	**0 81**	**−0.79**	**1.05**	**3**	**1.4**	**4**	**17**	**7**	**4**	**nw.**	
Southwestern Division																					
Anderson(near)‡‡‡	McDonald	1,000	39	44.0	+ 8 3	77	9	7	16	44	0.74	−1.04	0.74	3	T.	1	23	2	3	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	40.0	+ 6.1	74	9	7	16	51	0.96	−0.71	0.65	3	1.0	3	19	4	5	sw.	Rolla Brown
Bolivar	Polk	1,071	40	41.8[b]	+ 6.6	73	8†	6	16	48	0.86	−1.24	0.76	3	0.6	3	16[b]	9[b]	1[b]	sw.	Southwest Baptist College
Boonville	Cooper	650	5	34.8	.....	74	9	1	14†	66	0.70	−1.08	0.35	3	0.9	5	17	2	9	nw.	Boonville Water Dept.
Carthage	Jasper	962	9	43.7	.....	75	9	8	16	19	1.06	.....	0.67	3	0	3	9	17	2	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	39.6	+ 6.0	75	9	8	16	56	0.89	−1.06	0.69	2	T.	2	15	12	1	sw.	U. S. Weather Bureau
Eldon	Miller	934	48	37.5	+ 4.4	76	9	4	16†	44	1.30	−0.52	0.76	3	2.5¶	3	16	12	0	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	43.4	.....	76	9	4	16	2	1.40	.....	0.70	3	T. ¶	3	13	13	2	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	37.1	+ 6.4	72	9	10	14	68	0.73	−1.00	0.48	3	T. ¶	2	18	5	5	nw.	John H. Patterson
Jefferson City	Cole	557	53	37.9	+ 5.8	78	9	5	14†	61	1.07	−0.69	0.67	3	T. ¶	2	22	3	3	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	44.0	+ 8.2	75	9	12	16	38	0.98	−0.70	0.71	2	....	3	..	..	..	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	12	37.7	+ 3.7	76	8†	7	16	12	1.13	−0.69	0.75	3	0.1	4	18	9	1	sw.	W. S. Frame
Lamar	Barton	980	55	34.7	− 0.6	70	9	4	16†	62	1.08	−0.69	0.63	3	1.0	3	19	6	3	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	55	38.2	+ 3.8	75	8†	3	16	56	1.19	−1.00	0.81	3	0	2	18	2	8	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	37.4	+ 6.4	72	9	6	14†	59	0.73	−1.11	0.49	3	0	2	22	6	0	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	42.8	+ 5.8	74	9	8	16	47	1.05	−0.68	0.69	3	2.0	4	21	6	1	sw	Hubert A. Nieman
Marshall	Saline	779	56	39.8	+ 8.9	74	9	6	14	53	1.12	−0.66	0.53	3	1.0	4	19	8	1	sw	Chamber of Commerce
Mountain Grove	Wright	1,463	42	42.5	+ 7.4	73	9	5	16	46	0.97	−1.26	0.72	3	0	2	14	12	2	nw	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	43.1	+ 8.6	75	20	7	16	43	0.95	−1.65	0.75	3	1.0¶	3	13	11	4	sw.	G. H. Boswell
Neosho	Newton	1,011	56	44.2	+ 6.6	73	8†	9	16	60	0.87	−1.12	0.85	3	T. ¶	2	18	8	2	nw.	U. S. Fisheries Station
Nevada	Vernon	862	50	42.0	+ 8.1	75	9	7	16	51	1.33	−0.42	0.72	3	1.0	3	17	9	2	sw.	Henry Kraft
Ozark Beach	Taney	700	3	40.7	.....	77	9	11	16†	18	0.97	−0.83	0.85	3	1.0	3	18	8	2	s.	V. Smith
Sedalia	Pettis	910	30	40.9	+10.5	75	9	6	14†	32	0.75	−1.39	0 47	3	0 2	3	22	5	1	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	42.0[a]	+ 4.5	69	9†	8	16	40	1.08	−0.76	1.08	3	T.	1	17[a]	6[a]	4[a]	w	Floyd E. Fawver
Seymour(near)	Webster	1,642	37	41.2	+ 6.2	74	23	5	16	37	1.04	−1.14	0.94	3	T.	2	18	8	2	w.	A. L. Hailey
Springfield	Greene	1,301	55	40.4	+ 6.4	73	9	7	16	55	0.92	−1.43	0.79	2	1.0	5	14	11	3	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	39.4	.....	74	9	5	14†	2	0.86	.....	0.45	3	T.	4	20	7	1	w.	H. F. Nelson
Warrensburg	Johnson	878	56	40 8[b]	+ 8.3	71	9†	8	16	63	0.71	−1 17	0.49	3	T ¶	3	16	12	0	sw.	Central Teachers College
Warsaw	Benton	687	42	40.0	+ 4.4	75	9	3	16	48	0.86	−1.38	0.62	3	0	2	9	18	1	nw.	Everett Martin
Wasola	Ozark	1,294	2	43.8	.....	74	9	13	13†	3	0.84	.....	0.84	3	T. ¶	1	21	6	1	w.	A. W. Pinckney
Division means	**and extremes**	.....	..	**40.5**	**+ 6.3**	**78**	**9**	**1**	**14†**	..	**0.95**	**−1.45**	**1.08**	**3**	**0.5**	**3**	**17**	**8**	**3**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	6	40.0	.....	73	9	4	16	6	1.23	.....	0.64	2-3	0.5	7	12	8	8	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	38.4	+ 4.3	76	9	0	17	65	1.36	−1.12	0.77	3	1.0	6	21	5	2	s.	Arcadia College
Birch Tree(near)	Shannon	1,000	48	....	.....	..	..	....	..	49	0.90	−1.60	0.78	3	T. ¶	2	17[f]	3[f]	2[f]	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	44.4	.....	72	3	10	16	12	1.61	2.04	1.06	20-21	0	5	21	3	4	s.	Paul B. Hutchens
Campbell	Dunklin	314	17	45.0	+ 2.9	73	3	10	16	17	0.75	−2.58	0.37	3	T.	4	16	11	1	s.	Mrs. W. J.Christian
Caruthersville	Pemiscot	265	47	43.0	+ 2.7	72	3	9	16	51	2.16	−1.22	1.22	21	T. ¶	6	17	4	7	s.	Victor T. Malloure
Crystal City	Jefferson	420	9	38.6	.....	77	9	0	16	9	0.45	−1.42	0.39	6	0.7	3	12	2	14	w.	Frank Magre
Doniphan	Ripley	344	39	43.2	+ 3.9	76	3	8	16	39	1.12	−2.19	0.57	3	0	3	25	2	1	n.	Boyce Lackey
Farmington	St. Francois	896	32	41.5	+ 4.6	78	20	1	16	46	1.34	−1.18	0.67	3	0.9	5	13	9	6	s.	F. M. Karsch
Goodland	Iron	1,000	50	37.6	+ 3.3	76	9	−10	16	50	0.60	−1.68	0.55	3	0.7¶	4	23	3	2	n.	F. M. Adams
Greenville	Wayne	381	34	42.6	+ 6.8	75	9	1	16	36	1.35	−1.37	0.76	3	1.0	6	13	10	5	sw.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	41.6	+ 5.1	70	3†	3	16	53	1.40	−1.48	0.70	3	0.3¶	6	14	6	8	n.	John G. Putz
Koshkonong	Oregon	958	42	....	.....	..	..	....	..	43	....	.....	....	.....	....	..	..	..	..	.....	R. E. Bratcher

Continued on next page

Climatological Data for February 1943 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr. Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Precipitation, in inches Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Number of days With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	6	41.1	.....	76	9	2	16	6	0.90	.....	0.79	3	0.2	3	23	1	4	n.	U. S. Forestry Service
Marble Hill	Bollinger	470	48	43.7	+ 7.1	73	9	1	16	50	1.22	−1.86	0.51	3	1.5	6	17	7	4	s.	R. A. DeWitt
Poplar Bluff	Butler	339	38	44.2	+ 6.1	74	5†	7	16	39	1.03	−1.86	0.81	3	T.	2	19	9	0	nw.	B. R. Wheetley
Rolla	Phelps	1,202	43	39.2	+ 2.9	76	9	2	16	59	0.98	−1.07	0.71	2	4.0	5	14	8	6	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	106	39.9	+ 5.1	73	9	3	14	106	1.13	−1.43	0.61	2-3	1.0	5	16	8	4	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	38.8	+ 4.8	75	9	2	16	12	0.76	−1.48	0.49	3	1.0	3	14	11	3	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	39.6	+ 4.7	74	9	3	14†	31	0.78	−1.53	0.53	3	2.0	3	22	4	2	w.	St. Louis University
Salem	Dent	1,173	39	41.0	+ 5.2	76	9	1	16	42	0.93	−1.35	0.69	3	0.5	3	18	8	2	s.	E. E. Martin
Sikeston	Scott	318	36	41.1	+ 3.9	73	9	7	16	46	1.09	−2.13	0.68	3	1.0	5	18	9	1	n.	Mrs. Hazelle P. Young
Union	Franklin	520	5	41.0	.....	80	9	− 1	16	26	0.67	−1.53	0.59	3	1.5	4	19	2	7	nw.	Robert Mueller
Wappapello Dam	Butler	475	4	41.4	.....	72	3†	8	16	4	1.17	.....	0.76	3	0.2	6	19	8	1	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	40.0	.....	77	9	− 1	16	3	1.16	.....	0.60	3	1.5	6	22	2	4	s.	E. A. Mohrman
West Plains	Howell	1,005	6	40.1	.....	73	9	6	16	6	0.79	.....	0.74	2-3	T.	3	15	11	2	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	2	37.9	.....	73	8†	5	17	36	0.85	−1.71	0.71	3	0	3	13	13	2	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	42.6	+ 4.1	69	23	10	16	72	1.11	−2.02	0.52	3	0.8	7	13	7	8	sw.	U. S. Weather Bureau
Division means and extremes		.....	..	**41.1**	**+ 4.6**	**80**	**9**	**−10**	**16**	..	**1.07**	**−1.57**	**1.22**	**21**	**0.8**	**4**	**17**	**7**	**4**	**s.**	
State means and extremes		.....	..	**39.1**	**+ 5.9**	**80**		**−10**	**16**	..	**0.94**	**−1.11**	**1.22**	**21**	**0.9**	**4**	**17**	**7**	**4**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Cantou Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 7)

PRECIPITATION

The average for the State, 156 stations reporting, was 0.94 inch, or 1.11 inches less than normal. The greatest local monthly amount was 2.16 inches at Caruthersville, and the least local monthly amount was 0.23 inch at Galena. The greatest amount in any twenty-four hours was 1.22 inches at Caruthersville on the 21st. The average number of days with 0.01 inch or more was 4.

Snowfall averaged 0.9 inch, or 4.1 inches less than normal. The greatest monthly amount was 4.6 inches at Canton.

MISCELLANEOUS PHENOMENA

Eclipse.—Lunar, 19th, 20th.

Floods.—In Grand River on 4th. In Mississippi River at Hannibal, from January 28th to February 1st, February 4th to 6th, and 17th to 19th; at Louisiana, 8th to 9th and 15th to 22d.

Fogs.—Heavy, 3d, 9th, 19th, 20th.

Hail.—Light, 5th at Arcadia, 6th at Farmington and Perryville, 9th at Kansas City University and Joplin, 10th at Lockwood, 20th at Bragg City, Campbell, Farmington, Greenville, Jackson, and Weingarten.

Halos.—Solar, 20th, 23d; lunar, 2d, 14th.

Sleet.—5th, 6th, 9th, 10th, 12th, 13th.

Thunderstorms.—Local, 5th, 6th, 10th, 19th, 20th, 24th; more or less general, 9th.

Windstorms.—No damaging winds reported, but high winds occurred on several days during the month.

ERRATA

January 1943, page 1: Percentage of sunshine at St. Joseph should be 49; page 3: Total snowfall at West Plains should be 1.0.

Daily Precipitation for February 1943

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	
Northern Division																																	
Albany	Grand			.63										T.		.10									.12								0.85
Amity[2]	do	T.		.59			.02				.10	T		T.		T.	T.								.01								0.72
Bethany	do			.74							T.			.10		.20									.05								1.09
Bowling Green[2]	Mississippi	.33		.37			.01				.19					*	.05																0.95
Brookfield	Grand			.74			.03				.35			T.		T.					.05												1.17
Brunswick[2]	do	T.		.43			.04				.24	T.		.07		.07																	0.85
Canton, Lock No. 20[2]	Mississippi	.17		.52			.17				.01	T.		.01		.04	.10										T.						1.02
Centralia[2]	do			.40							.20																						0.60
Chillicothe[2] (A)	Grand	T.		.59			T.							T.		.06																	0.65
Clifton Hill	Chariton			.37			T.				.26					.05																	0.68
Columbia[1†]	Missouri		.37	.10		.02	T.			.21	.02		.04	T.		.03											T.					0.79
Conception	do			.57			T.				T.		T.			T.								T.	.06								0.63
Edgerton	do			.50							T.																						0.50
Edina[2]	Mississippi	.04		.59	T		.14				.14			T		.04	.01																0.96
Elsberry	do			.59												.07																	0.66
Farber[2]	do	.28		.50			T				*	.04				T	.01																0.83
Fayette	Missouri			.48							.13			.11		.03																	0.75
Fulton	do			.65			T.				.34			.07		*	.03										T.						1.09
Gallatin[2]	Grand			.54							.10			.02		.07									T								0.73
Grant City	do			.67			T				T.		T	T										T	T		T						0.67
Hannibal[3] (A)	Mississippi			.55		.02	.02			T.	.04		T.	F.		.20								T.									0.83
Hermann[2]	Missouri	.26		.58			.04				.05			T.		T.	.03																0.96
Kahoka[2]	Mississippi			.48			T.				.03		T			*	.07																0.58
Kansas City Airport[1†]	Missouri		.36	.09		.03				.13	T.			T	1					T.				T	T.	T.	T.						0.61
Kansas City University	do			.46			.05			.05	.16			T.						T.					T								0.72
Kidder[2]	Grand			.49			.02					.08			T.																		0.59
King City	Missouri			.55			.08				.11			T											.03								0.77
Kirksville	Mississippi			1.04			.03				.14					.09								T.									1.30
LaBelle[2]	do	.05		.67			.10				.17					.03	.07																1.09
Lawson	Missouri			.60						T.	.34																						0.94
Linneus[2]	Grand	.04		.64			T.				.22			.02		.02																	0 94
Louisiana[2] (A)	Mississippi	.20		.40													.12																0.72
Lucerne[2]	Grand	.03		.62			T.				.13			T		.05									T								0.83
Macon[2]	Chariton	.09		.54			.04				.25	T.		T		.06	T				.13												1.11
Madison[2]	Mississippi			.31			.02				.12					.06				T.													0.51
Maryville	Missouri			.64			.02				.02			T		T.								.10	T.		T						0 78
Memphis[2]	Mississippi	.03		.82			.11				.10	T		T		.03	.06								T.								1.15
Mexico[2]	do	.10		.45			.03				.16					.06	.04																0 84
Milan[2]	Grand	.09		.64	.06		T				.31			.03		.07																	1.20
Moberly[2]	Mississippi	.05		.40							.15	T.			.01	T.					T.												0.61
Monroe City	do			.64		.02					.05					.06																	0.77
New Florence[4†]	Missouri		.27	.22		.01	.01			.29	.05		T	T		.01				T.							T.					0.86
Oregon	do			.45							.10													T	.05								0.60
Palmyra[2]	Mississippi			.40			T.									*	.20																0.60
Paris[2]	do	.09		.47			T.				.08					.06	T.																0.70
Perry	do			.47			.02				T.					.06																	0.55
Philadelphia[2]	do	.07		.41													.15																0.63
St. Charles[2]	Missouri	.20					.11									T.	.05																0 36
St. Joseph[1†]	do		.51	.04		.02				.14	.04		T.			T								.04									0.79
Saverton, Lock No. 22[2]	Mississippi	.18		.40	.02		.05				.02	T.		.01		.02	.06										T						0.76
Shelbina	do			.52			.04									.07					.03												0.66
Shelbyville[2]	do			1.05												*	.05																1 10
Steffenville	do			.63			.08				.04		T.			.04								T									0.79
Tarkio	Missouri			.78																				.07									0.85
Trenton	Grand			.63			.03				.36			.03		.08								.01									1.14
Troy[2]	Mississippi			.55			.01				.12		T.	T		.03	.04										T.						0.75
Unionville[2]	Chariton	.08		.66			T.				.26			T		.05									T.								1.05
Warrenton	Mississippi			.67										T		.10																	0.77
Keokuk, Iowa[3]	do		.03	.55		.02	T			.05	T		T	F		.12								T.		T.	T.					0.77
Southwestern Division																																	
Altona[2]	Osage			.55							.33	T.			.03																		0.91
Anderson (near)	Neosho			.74							T				T.																		0.74
Appleton City	Osage			.65							.03				.28																		0.96
Bolivar	do			.76							.05				.05	T																	0.86
Boonville[2] (A)	Missouri	.05		.35			.02				.20			.08			T																	0.70
Buffalo[2]	Osage			.80							.17																						0.97
Butler[2]	do			.50							.34				.08																		0.92
Caplinger Mills[2]	do	T		.80							.15				.03																		0.98
Carthage	Neosho			.67							.34						.05																1.06
Clinton[4]	Osage		.69			T.				.20	T		T.																				0.89
Concordia	Missouri			.67			.04				.39			.01		T																	1.11
Crocker	Osage			.65										.25	1																		0.90
Eldon[2]	Missouri			.76							.30	T.		.24																			1.30
Eldorado Springs	Osage			.68			T.				.34				.08																		1.10
Fort Leonard Wood	Gasconade			.70			T.				.50			.20																			1.40
Galena[2]	White										.06		T.		.17																		0.23
Hailey	do			1.04							.08		.04		.02																		1.18
Harrisonville[2]	Osage			.48							.25	T.																					0.73
Jefferson City[2]	Missouri			.67							.40			T.		T																	1.07
Joplin[4]	Neosho		.71							.21		T.		.06																			0.98
Lakeside[2]	Osage	T		.75			.01				.36	T.		.01													T.						1.13
Lamar[2]	Neosho			.63							.40				.05																		1.08
Lebanon[2]	Osage			.81							.38																						1.19
Lexington[2]	Missouri			.49							.24																						0.73
Lockwood	Osage			.69							.24		.02	T.	.10																		1.05
Manes[2]	Gasconade																																
Marshall	Missouri			.53			.15				.34			.10																			1.12
Mountain Grove	White			.72							.25																						0.97
Mount Vernon	Neosho	T.		.75							T.		.10	T.	.10					T													0.95
Neosho	do			.85											.02																		0.87
Nevada	Osage			.72							.51				.10												T.						1.33
Osceola[2]	do			.73							.24																						0.97
Ozark Beach[2]	White			.85							.05				.07																		0.97
Pleasant Hill[2]	Osage			.55			T.				.28	T.		T.													T.						0.83
Roby	Gasconade			.84			T.				.05																						0.89
St. Thomas (near)[2]	Osage			.69							.20					T.																	0.89
Sedalia	Missouri			.47							.25			.03		T.																	0.75
Seligman	Neosho			1.08											T.																		1.08
Seymour (near)	White			.94									10		T.																		1.04
Springfield[1†]	do		.79	T.		T.	.01			T.	.06		.02	T.	.04																		0.92

Continued on next page

Daily Precipitation for February 1943—Continued from preceding page

Stations	Drainage-basins	Day of month																												Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Southwestern Division—Concluded																														
Stover[2]	Missouri			.67							.31																			0.98
Sweet Springs	do			.45			.01				.35			.02		T														0.86
Warrensburg	do			.49			.01				.21			T																0.71
Warsaw (A)	Osage			.62		T					.21			T		T														0.86
Wasola	White			.84									T							T										0.84
Waverly[2]	Missouri			.49							.34			T																0.83
Southeastern Division																														
Advance[4]	St. Francis		.09	.55		.26					.02		T.	.02		T.	T.			.04	.25						T.			1.23
Alton (near)	Black			.69																.11										0.80
Annapolis	St. Francis			.79			.26							.08							.15									1.28
Arcadia[2]	do	T		.77			.31				.04			.03	T.		.02				.19									1.36
Belleview	Meramec			.66			.22				.01			.03		T.					.12									1.04
Birch Tree(near)	Black			.78										T.		T.					.12									0.90
Bragg City	St. Francis			.33							.15									.07	1.03	.03								1.61
Campbell	do	.02		.07							.01			T		T.				T.	.35	T.								0.75
Cape Girardeau[2]	Mississippi	.06		.61			.06					.07		.02	.03		.06									.15				1.06
Carruthersville[2]	do	.25		.43			.11					.10		T.							.05	1.22								2.16
Centerville[2]	Black	.07		.75			.06				.04	T.		.10			.01			T.	.01									1.07
Crystal City	Mississippi						.39						T	.01		.05														0.45
Deering[2]	St. Francis	.27		.28															T	.12		1.21								1.88
Dexter[2]	do	T.		.58			.08					T.		T	T.							.15								0.81
Doniphan	Black			.57			.12														.43									1.12
Farmington	St. Francis			.67			.35				T.			.04		.01					.27						T.			1.34
Fisk[2]	do			.54										T.																0.54
Fredericktown[2]	do	.07		.75			.32				.08			.01	T.		.01					20									1.44
Gerald[2]	Meramec	.25		.56						.07			T.			.04										T.				0.92
Goodland	Black			.55										.02		.01	T				.02									0.60
Greenville	St. Francis			.76			.25							.03		.02					.10	19								1.35
Jackson	Mississippi			.70			.28							T.		.02				.03	.35	.02								1.40
Jerome[2]	Gasconade			.70							.15			.10																0.95
Koshkonong	Black																													
Leeper[2]	do	T.		.80			.48				T.	T.	T.	.06			T.				.16									1.50
Licking (near)	Gasconade			.79							.10			.01		T			T.											0.90
Marble Hill	Mississippi			.54			.31				.06			.04		.06					.24									1.22
Meramec Park[2]	Meramec			.61			.03				.02	T		.03			.03													0.72
Morehouse	Mississippi	.04		.51			.04				.01			.02		T.					.27									0.92
New Madrid[2]	do	.25		.16	.13							.06		T	.05						.01	.57								1.23
Owensville[2]	Gasconade	.11		.68						.14				.10																1.03
Pacific[2]	Meramec			.80			.18							T		T	.05										T.	.11		1.14
Parma[2]	St. Francis	.06		.39										T.	T.							.40								0.85
Perryville	Mississippi	T		.69			.12				.04	T.		.07		.07					.18	.03								1.20
Poplar Bluff[2] (A)	Black	T		.81			.22						T.				T.													1.03
Richwoods[2]	Meramec			.55							.12				.01	T.	.05					T.					T.			0.73
Rolla[4]	do		.71	T.		T	.01				.03		.14	.09		T.														0.98
St. Louis:																														
City Office[1‡]	Mississippi		.02	.59		.43					.02		T.	T.		.07											T			1.13
Airport[4‡]	Missouri		T.	.49		.21	T				T		T.	T.		.06											T.			0.76
St. Louis Univ.[3‡]	Mississippi			.53		.05	T				T		T	T		.20											T.			0.78
Washington Univ.[2‡]	do	.70		6			24							.01		*	.04													1.62
Salem	Meramec			.69							.14			.10		T					T.									0.93
Sikeston[2]	Mississippi	T.		.68			.06					.06		.03		T	T.					.26									1.09
Union	Meramec			.59			.01				T.			.04		.03															0.67
Valley Park[2]	do	T.		.70			.08					T.		T.			.07									T.		T.			0.85
Van Buren	Black			.76																	T									0.76
Wappapello Dam[2]	St. Francis	.05		.76			.13				T	T		.02			T.				.11	.10								1.17
Weingarten	Mississippi			.60			.38				.02			.02		.06					.08									1.16
West Plains[4]	Black		.64	.10							1		T.								.05									0.79
Williamsville[2]	do	.03		.76			.26				.03			.05			.01					.09									1.23
Willow Sprgs.(near)[2]	White			.71							.09	T.	T								.05									0.85
Zalma(near)	Mississippi			.72			.17				.01			T		.01					.18	.02								1.11
Cairo, Ill [1‡]	do			.52		.04					.06			.06		.03				.10	.30					T.		T.		1.11

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for February 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																												Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Lakeside (Osage Dam)	Evaporation	*	*	.092	.018	*	.180	.072	.069	.145	.237	*	*	*	*	*	*	*	*	.477	.158	.039	.092	.159	.136	*	*	*	.464	2.338
	Mean temperature	34	38	42	42	44	38	46	52	52	26	34	31	21	16	23	24	34	44	48	52	44	46	48	42	32	28	39	38	37.7
	Wind movement	52	22	49	48	26	87	46	26	59	109	119	20	129	108	42	102	45	17	13	68	45	17	46	82	47	81	97	139	1,741
St. Louis (Washington University)	Evaporation				.064	.054	.060	.022	.104	.094	.108											.102	.079	.151	.151						
	Mean temperature	32	38	48	46	47	38	46	51	56	32	29	32	20	12	14	18	29	43	50	54	44	47	55	42	30	29	42	38	37.8
	Wind movement	53	27	55	47	22	71	56	20	46	96	73	35	75	103	54	53	60	45	18	44	59	32	59	109	85	76	77	83	1,633

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for February 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	..	..	..	Mean
Northern Division																																	
Brunswick §§	Maximum	45	45	56	51	54	43	60	70	74	22	35	34	23	19	29	36	54	60	67	59	60	66	49	46	38	33	60	45	..	..	..	47.6
	Minimum	16	16	24	32	30	31	27	27	38	20	17	17	11	5	2	7	7	25	28	35	28	27	31	32	20	18	21	28	..	..	..	22.1
Chillicothe §§	Maximum	45	55	52	51	48	42	61	65	71	22	34	33	23	22	27	36	53	60	66	55	60	64	44	47	61	33	60	45	..	..	..	47.7
	Minimum	9	14	28	31	31	28	28	30	35	16	15	15	9	1	−1	5	9	23	26	36	28	28	33	31	31	26	16	28	..	..	..	21.8
Columbia	Maximum	43	54	58	52	62	44	63	74	75	42	38	37	24	19	29	36	52	61	70	65	59	66	65	46	37	37	56	45	..	..	..	50.3
	Minimum	19	31	38	34	33	31	29	42	42	19	18	24	10	3	8	4	29	30	34	38	29	35	36	28	22	20	26	30	..	..	..	26.5
Fayette	Maximum	45	53	55	52	51	50	61	71	75	68	38	39	30	20	29	36	54	60	69	65	59	65	60	45	42	37	58	55	..	..	..	51.5
	Minimum	14	23	36	30	27	28	26	35	42	17	15	23	7	0	9	2	22	25	32	43	26	30	40	31	17	18	22	27	..	..	..	23.8
Grant City	Maximum	45	54	50	47	44	43	60	59	48	30	31	33	29	20	26	38	47	58	65	55	58	64	51	39	36	37	59	48	..	..	..	45.5
	Minimum	10	18	36	26	32	24	25	35	28	11	9	18	7	−1	6	−3	16	23	35	31	23	31	32	25	12	13	25	24	..	..	..	20.4
Hannibal	Maximum	39	52	53	50	54	38	58	65	74	47	35	32	23	18	23	31	45	58	64	62	59	63	53	43	37	34	58	48	..	..	..	47.0
	Minimum	12	27	35	32	33	25	26	33	41	16	13	20	8	−2	1	−2	24	25	35	37	28	35	35	30	16	14	25	26	..	..	..	23.1
Kansas City Airport	Maximum	54	54	52	51	47	48	65	65	72	25	39	37	26	23	36	40	55	63	71	58	61	66	54	43	40	37	61	47	..	..	..	49.6
	Minimum	18	33	39	35	36	33	37	40	25	14	20	19	16	10	12	12	30	29	45	36	29	41	33	26	20	22	31	31	..	..	..	27.6
Kirksville	Maximum	43	54	56	49	50	43	61	66	71	65	32	30	19	19	23	32	45	61	64	61	60	61	54	43	42	37	58	54	..	..	..	48.3
	Minimum	10	24	35	30	30	23	25	33	36	17	12	7	7	−2	11	0	25	23	36	40	29	35	33	28	15	12	26	27	..	..	..	22.4
Lawson	Maximum	42	50	52	50	44	44	62	64	68	42	38	35	32	22	32	38	54	61	68	61	59	65	56	45	35	39	60	52	..	..	..	48.9
	Minimum	12	23	37	29	32	35	32	38	42	12	14	24	12	4	13	5	26	27	39	38	28	35	32	25	16	18	18	28	..	..	..	24.8
Louisiana §§	Maximum	40	53	56	49	57	39	58	67	76	30	34	34	27	17	23	33	48	59	66	63	56	63	63	45	36	43	56	40	..	..	..	47.5
	Minimum	17	17	30	36	26	29	25	27	27	30	16	16	12	1	−1	−6	−2	20	25	40	28	28	34	35	23	21	23	29	..	..	..	21.6
Macon §§	Maximum	42	54	55	50	53	40	59	66	74	22	34	33	21	20	26	34	50	60	64	57	60	63	46	46	37	32	53	42	..	..	..	46.2
	Minimum	12	9	29	31	30	29	26	30	33	21	14	14	8	−1	−1	0	2	24	24	41	28	28	32	29	15	15	14	26	..	..	..	20.1
Maryville	Maximum	43	51	49	47	44	41	58	56	53	30	30	32	29	20	27	38	47	58	66	62	59	63	60	38	36	36	59	57	..	..	..	46.0
	Minimum	12	22	36	27	31	25	27	35	30	10	9	19	9	1	12	5	23	26	35	33	29	35	32	22	14	15	25	24	..	..	..	22.2
Mexico §§	Maximum	45	55	59	54	60	42	64	68	78	24	39	35	22	20	21	33	52	61	70	66	61	65	55	47	40	30	58	47	..	..	..	49.0
	Minimum	16	17	29	32	30	29	28	27	31	21	16	17	9	0	−1	0	2	20	27	38	27	29	33	31	19	18	15	29	..	..	..	21.0
Moberly §§	Maximum	42	55	55	50	54	42	62	69	76	21	34	32	20	20	27	36	53	61	68	61	59	63	50	46	36	32	57	43	..	..	..	47.3
	Minimum	14	13	27	31	31	28	24	27	41	20	15	15	7	1	1	1	4	24	27	42	27	27	36	32	18	18	16	27	..	..	..	21.2
Oregon	Maximum	51	53	53	49	45	45	63	62	56	31	37	34	33	22	31	40	37	62	70	62	62	66	63	39	40	38	62	61	..	..	..	48.8
	Minimum	22	28	38	32	33	27	33	34	30	9	12	23	12	12	15	7	18	27	41	35	31	39	32	26	16	17	29	25	..	..	..	25.1
St. Charles §§	Maximum	42	55	68	57	63	43	65	71	72	32	41	41	27	27	20	30	51	62	69	60	61	72	68	47	37	32	60	47	..	..	..	51.1
	Minimum	20	20	30	35	32	33	30	33	33	31	18	18	19	3	3	2	4	23	28	35	30	30	30	36	24	24	23	29	..	..	..	24.1
St. Joseph	Maximum	54	55	50	49	44	45	62	63	50	23	36	35	24	21	32	39	54	62	71	55	59	66	53	43	40	35	62	45	..	..	..	47.4
	Minimum	19	30	38	32	34	30	35	40	21	12	17	16	14	7	12	10	28	28	43	36	31	41	31	26	19	20	30	31	..	..	..	26.1
Trenton	Maximum	45	54	52	51	46	42	63	63	70	63	32	33	28	20	26	36	49	60	67	59	59	63	60	41	38	36	59	52	..	..	..	48.8
	Minimum	9	24	36	30	32	26	27	32	27	15	13	22	9	−1	13	3	22	27	35	36	27	33	34	30	15	15	24	28	..	..	..	23.0
Unionville §§	Maximum	42	54	56	47	47	40	67	64	72	22	34	30	19	21	24	35	46	59	65	60	64	65	47	46	37	32	60	45	..	..	..	46.4
	Minimum	5	5	20	30	29	22	20	27	33	20	10	10	5	−4	−4	−1	−1	21	23	36	27	27	32	26	13	12	10	26	..	..	..	17.1
Warrenton	Maximum	42	53	60	54	61	58	61	72	77	70	36	39	30	20	24	32	53	60	69	67	57	65	67	44	40	33	56	51	..	..	..	51.8
	Minimum	16	25	36	34	31	28	29	38	49	20	15	25	11	0	9	−1	25	25	37	50	28	33	44	33	21	19	21	26	..	..	..	26.0
Keokuk, Iowa	Maximum	32	47	51	48	52	34	52	54	71	40	32	32	18	16	14	34	42	55	62	54	57	61	54	41	36	31	57	40	..	..	..	43.5
	Minimum	11	23	35	33	30	26	27	33	39	16	13	18	2	−2	8	−3	26	25	41	38	28	38	34	29	19	11	29	29	..	..	..	23.4
Southwestern Division																																	
Clinton	Maximum	51	53	59	55	60	49	65	69	75	35	44	41	31	21	40	41	55	65	70	68	63	68	63	45	41	37	54	51	..	..	..	52.5
	Minimum	19	27	33	31	32	31	32	40	34	18	17	29	13	12	13	8	27	29	37	41	28	32	37	30	21	24	25	27	..	..	..	26.7
Eldon §§	Maximum	50	52	58	56	64	42	65	75	76	28	45	44	25	20	34	39	53	58	72	69	59	67	70	47	39	34	57	47	..	..	..	51.6
	Minimum	17	18	25	34	30	29	30	33	35	27	18	17	9	8	5	4	4	25	24	43	30	30	32	35	22	20	22	28	..	..	..	23.4
Harrisonville §§	Maximum	52	52	55	53	51	48	65	64	72	25	43	40	28	25	38	40	54	63	71	58	63	67	57	46	40	38	60	50	..	..	..	50.6
	Minimum	18	21	25	29	29	30	31	33	41	14	14	16	12	10	11	11	12	28	28	38	30	31	37	29	18	18	21	26	..	..	..	23.6
Jefferson City §§	Maximum	47	56	60	55	64	46	69	76	78	25	42	41	23	18	29	38	55	63	71	69	61	67	70	48	36	31	57	46	..	..	..	51.5
	Minimum	20	20	29	37	31	31	30	32	33	25	18	18	9	5	6	5	6	27	29	41	30	32	36	35	22	21	22	30	..	..	..	24.3
Joplin	Maximum	51	53	61	56	59	52	66	71	75	42	55	49	39	26	38	43	60	67	70	69	60	68	71	41	40	37	55	50	..	..	..	54.4
	Minimum	23	35	45	39	39	32	42	55	42	18	21	39	20	16	18	12	35	38	53	50	36	39	41	35	27	29	29	34	..	..	..	33.6
Lamar §§	Maximum	48	48	50	51	55	47	60	65	70	25	47	42	25	20	37	35	51	60	65	65	55	62	65	37	40	42	55	49	..	..	..	49.0
	Minimum	12	12	13	25	26	24	24	31	43	15	12	14	11	9	9	4	4	23	24	46	26	25	25	29	18	18	22	26	..	..	..	20.4
Lebanon §§	Maximum	50	54	64	56	65	47	66	75	75	26	49	43	30	27	40	40	59	65	70	68	58	65	71	40	40	33	50	48	..	..	..	52.6
	Minimum	15	15	23	31	32	29	28	35	48	24	16	16	9	8	9	3	5	27	32	46	27	27	35	32	24	23	19	26	..	..	..	23.7
Lexington §§	Maximum	51	55	55	53	53	47	66	66	72	23	39	36	29	23	34	38	55	63	69	61	62	66	50	48	38	37	60	45	..	..	..	49.8
	Minimum	18	24	29	34	33	31	35	37	42	16	15	21	12	6	6	8	12	27	33	42	31	34	36	31	18	20	21	28	..	..	..	25.0
Marshall	Maximum	48	55	55	53	55	52	59	69	74	73	39	35	32	24	30	36	53	63	68	68	61	65	63	46	44	37	58	63	..	..	..	52.8
	Minimum	18	29	38	33	33	31	31	39	46	16	17	29	10	6	7	7	26	29	40	43	30	30	38	32	19	19	25	27	..	..	..	26.7
Mountain Grove	Maximum	50	51	67	64	65	62	66	72	73	70	48	46	38	29	39	35	56	63	69	68	67	62	67	66	40	37	55	53	..	..	..	56.4
	Minimum	19	26	36	32	34	31	32	41	50	20	17	35	11	12	11	5	23	35	43	48	31	34	42	32	23	26	21	30	..	..	..	28.6
Neosho	Maximum	53	56	63	59	63	56	69	73	73	70	55	55	46	32	41	44	60	67	71	69	68	67	71	69	43	43	56	55	..	..	..	58.8
	Minimum	15	24	45	30	29	32	29	37	57	21	19	37	20	16	17	9	33	21	42	53	29	27	52	35	27	25	19	32	..	..	..	29.7
Nevada	Maximum	52	53	60	59	58	52	66	70	75	73	52	50	40	28	41	41	58	65	71	69	64	67	69	50	44	40	59	56	..	..	..	56.5
	Minimum	16	23	38	28	32	29	31	42	55	15	16	33	15	12	10	7	28	26	41	48	28	31	42	31	21	24	22	28	..	..	..	27.6
Sedalia	Maximum	49	58	56	52	62	52	64	70	75	73	40	39	34	26	35	37	53	63	69	68	61	65	63	49	44	36	57	56	..	..	..	53.8
	Minimum	19	30	38	32	32	30	33	42	52	20	22	25	10	6	13	6	28	30	39	44	28	36	43	33	20	22	24	27	..	..	..	28.0
Springfield	Maximum	48	50	62	54	65	48	65	72	73	52	50	44	33	23	38	39	56	62	68	68	58	65	69	43	38	34	53	47	..	..	..	52.8
	Minimum	18	28	38	33	34	31	32	44	52	18	19	31	12	11	13	7	28	34	42	41	29	31	36	29	24	22	22	28	..	..	..	28.1
Warrensburg	Maximum	48	51	53	54	56	49	62	66	71	71	40	41	34	27	25	38	52	62	68	68	60	65	63	44	44	38	59	56	..	..	..	52.3
	Minimum	..	..	39	33	34	31	34	42	51	16	18	32	13	9	15	8	29	28	43	43	33	38	40	32	20	21	26	29	..	..	..	[b]29.2
Southeastern Division																																	
Arcadia §§	Maximum	50	54	70	57	66	48	68	71	76	50	47	50	26	25	29	36	59	63	72	72	63	67	65	47	41	35	62	52	..	..	..	54.3
	Minimum	21	21	25	31	25	26	30	28	29	49	18	17	16	8	7	1	0	22	22	31	32	22	23	35	25	25	19	25	..	..	..	22.6
Birch Tree (near)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Caruthersville §§	Maximum	44	65	72	61	69	65	67	69	70	63	48	57	34	36	35	36	58	65	68	60	59	66	71	46	49	44	55	53	..	..	..	56.6
	Minimum	26	24	26	45	40	36	30	32	40	55	20	21	27	16	14	9	11	22	33	48	40	30	34	40	33	30	20	24	..	..	..	29.5
Crystal City	Maximum	45	56	65	56	66	53	66	72	77	68	42	42	30	23	27	36	54	60	73	70	59	66	72	48	40	36	61	50	..	..	..	54.0
	Minimum	16	20	34	30	23	34	26	26	40	25	18	22	13	3	9	0	19	21	27	41	27	20	34	38	20	19	17	29	..	..	..	23.2
Doniphan	Maximum	50	54	76	65	71	66	73	72	75	63	60	43	44	33	42	39	59	68	75	72	66	67	67	58	50	41	60	57	..	..	..	59.5
	Minimum	15	16	40	32	25	35	24	27	51	27	25	19	20	19	10	8	21	25	35	43	39	23	34	40	28	23	16	30	..	..	..	26.8
Farmington	Maximum	47	53	69	65	66	61	67	72	74	63	43	48	37	22	26	35	55	62	72	78	64	65	67	61	43	37	60	54	..	..	..	55.9
	Minimum	20	28	37	35	30	33	29	35	51	23	17	26	11	4	8	1	23	26	37	48	32	25	45	35	24	25	20	30	..	..	..	27.1
Jackson	Maximum	51	48	70	69	65	63	63	68	70	69	44	53	48	27	27	32	52	60	68	68	60	63	67	65	46	41	55	56	..	..	..	56.0
	Minimum	23	25	39	36	29	34	27	30	51	30	18	28	19	7	9	3	22	25	32	45	35	26	28	38	26	25	18	34	..	..	..	27.2
Poplar Bluff	Maximum	50	52	73	73	74	69	71	72	74	64	49	58	56	44	37	36	57	68	74	67	65	68	66	54	51	42	52	56	..	..	..	59.7
	Minimum	20	19	39	40	43	29	30	35	54	30	17	32	25	13	11	7	21	27	38	36	37	27	27	31	28	26	27	35	..	..	..	28.7
Rolla	Maximum	47	55	65	54	63	44	64	72	76	63	42	41	26	18	30	36	52	63	70	68	56	68	67	43	38	34	56	45	..	..	..	52.0
	Minimum	17	24	37	35	31	30	32	38	52	17	16	25	7	4	6	2	24	32	44	38	30	37	36	30	24	22	23	29	..	..	..	26.5
St. Louis	Maximum	42	53	67	54	62	43	62	69	73	63	37	40	25	17	22	32	50	56	71	67	55	64	70	45	35	36	58	49	..	..	..	50.6
	Minimum	21	33	36	41	37	34	33	42	49	21	19	25	13	3	9	5	28	30	45	43	34	40	40	34	25	21	25	32	..	..	..	29.2
Salem	Maximum	48	55	67	60	67	61	68	74	76	65	46	46	36	21	33	38	57	64	72	69	65	65	64	61	43	39	59	52	..	..	..	56.1
	Minimum	15	23	37	29	30	32	28	34	49	20	17	30	8	7	5	1	22	24	38	47	30	24	45	34	23	25	20	30	..	..	..	26.0
Sikeston §§	Maximum	46	53	72	57	69	52	64	70	73	61	45	58	33	25	30	35	57	63	72	60	60	66	69	46	45	40	57	52	..	..	..	54.6
	Minimum	22	23	26	39	35	35	31	37	36	52	19	19	22	11	11	7	8	23	30	42	36	29	30	30	29	29	20	34	..	..	..	27.6
Union	Maximum	48	59	69	61	67	62	69	76	80	74	46	47	34	27	28	38	55	66	69	73	66	70	71	65	44	37	62	54	..	..	..	57.8
	Minimum	17	20	38	30	24	33	23	27	38	22	18	24	12	4	9	−1	23	21	27	43	28	22	43	34	23	24	22	26	..	..	..	24.1
West Plains	Maximum	50	50	72	54	67	50	70	72	73	63	52	51	34	27	40	37	59	64	71	71	61	65	65	52	46	37	59	53	..	..	..	55.9
	Minimum	17	19	10	27	26	31	24	28	43	20	18	28	14	10	10	6	19	25	34	44	30	24	36	36	27	20	18	26	..	..	..	25.0
Cairo, Ill.	Maximum	43	50	69	60	66	50	63	69	68	65	43	54	30	24	28	32	53	60	67	57	59	64	69	59	46	36	54	50	..	..	..	53.1
	Minimum	27	28	42	40	38	37	33	42	56	25	22	30	21	10	16	10	23	33	41	50	38	34	49	38	31	27	23	35	..	..	..	32.1

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 3-23-43—1050.

47
3.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. C. GROSS
ST. LOUIS, MO.

VOL. XLVII MARCH 1943 No. 3

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GENERAL SUMMARY

March, this year, came in like a lion and went out like a lamb, proverbially speaking. A cold wave accompanied by high winds, rapidly falling temperatures, and driving snow began on the 1st and unseasonably low temperaures prevailed until the 9th. Minimum readings during this period broke all previous March records at many stations and closely approximated the record low for the month at others. The extreme low of 22° below zero was 10° lower than the all-time low for March, since beginning of records in 1888. Several stations reported minimum readings of 10° or more below zero. The 3d and 7th were the coldest days, the latter being the coldest generally. After the 8th there was a change to more seasonable temperatures with a warm period from the 13th to 16th. Another cold period began on the 18th continuing to the 23d and was followed by a moderately warm period of three days. The last three days of the month were decidedly mild to warm, and the highest temperature of the month occurred generally on the 30th, when afternoon readings were in the high 70's and the 80's. The average temperature for the State was the lowest since 1932 and the fourteenth lowest of record. At most stations the average temperature for March was lower than the average for the preceding month of February. All Divisions of the State averaged 4° to 5° lower than normal and not a single reporting station averaged warmer than normal. Frost or freezing temperatures were prevalent nearly every night until the 23d.

Precipitation for March was only slightly less than normal for the State as a whole, but the distribution was rather irregular. It was the third consecutive month with deficient precipitation. The average for the Southeastern Division was 3.90 inches, only 0.06 inch less than normal, while the average for the Northern Division was only 1.41 inches, or 1.05 inches less than normal. The Southwestern Division averaged 2.58 inches, 0.49 inch less than normal. The greater part of the month's precipitation occurred during the first 19 days in the Northern Division while in the other two divisions moderate to heavy amounts occurred on the 25-26th. Moisture was mostly adequate for current needs throughout the month but more was needed in some central and northern portions at the close of the month.

Snowfall averaged comparatively heavy this month, two inches more than normal, for the State as a whole. Most of the monthly total occurred generally in two periods—the 1st-2d and 5-6th. During the latter period the ground was covered for three to four days.

The cold weather the first three weeks of the month retarded early spring farm work and at the close of the month, the season was two to three weeks late. Considerable plowing, planting of early gardens, and seeding of oats was accomplished the last week or ten days under more favorable weather conditions. Grass and winter wheat was greening and made some growth the latter half of the month but warm showers and more warmth were needed for best results. Snow cover during the extremely low temperatures provided protection to wheat which came through in good condition, generally. However, fruit suffered severely from the severe temperatures and frequent frosts and in some localities were mostly, or all, killed, except probably apples. Early planted oats were coming up to good stands at the close of the month. Livestock were in good condition but

(Continued on page 15)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.61*	8	29.44*	15	9.4	24	nw.	6	74*	50*	53*	77	808
Kan. C. Airport	30.65	2	29.32	15	13.2	41	nw.	15	74	56	53	70	819
St. Joseph	30.67*	2	29.26*	15	11.1	35	w.	16	79*	55*	56*	60	873
St. Louis	30.71*	8	29.56*	15	13.9	41	sw.	15	66	47	56*	60	761
Springfield	30.54	22	29.50	19	13.1	34	s.	15	81	58	58	56	817
Cairo, Ill.	30.74	8	29.64	6	10.6	32	sw.	19	76	57	..	60	656
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	38.5	90	1	3.90	4.13	4.37	3.19	....	10	..	..	..
1889	44.3	84	13	2.22	1.26	3.37	2.02	....	5	..	..	..
1890	37.3	79	−11	3.51	2.00	2.40	6.12	5.7	8	..	..	..
1891	36.6	78	−11	2.66	3.03	2.26	2.68	7.1	10	..	..	..
1892	38.9	87	5	2.98	3.31	3.46	2.18	....	8	8	10	13
1893	40.5	86	0	2.92	2.49	2.71	3.57	3.2	7	11	10	10
1894	47.7	89	2	3.22	2.29	2.95	4.43	0.2	6	15	9	7
1895	42.4	98	0	2.36	1.49	2.39	3.21	4.4	9	14	7	10
1896	39.2	82	2	2.22	1.15	2.04	3.47	5.2	8	11	9	11
1897	44.2	82	− 5	6.73	4.38	5.62	10.18	1.0	12	9	9	13
1898	44.7	83	9	7.44	5.26	6.42	10.63	0.6	11	11	7	13
1899	37.4	78	− 8	2.92	3.19	2.34	3.23	8.9	10	9	11	11
1900	40.4	88	− 4	1.52	1.43	1.35	1.79	0.2	6	15	9	7
1901	42.7	85	− 1	3.77	3.33	4.21	3.77	1.8	8	11	8	12
1902	45.3	85	1	3.71	2.50	4.64	3.99	0.8	9	10	10	11
1903	46.8	81	9	3.62	2.34	4.17	4.34	1.1	8	13	7	11
1904	41.8	87	8	4.55	3.54	3.13	6.98	1.2	9	11	9	11
1905	50.3	88	10	3.15	2.27	3.36	3.83	T.	8	11	8	12
1906	34.6	75	− 5	3.98	2.63	3.12	6.18	8.6	11	6	7	18
1907	53.9	95	16	2.76	2.54	3.05	2.70	1.0	7	14	7	10
1908	50.1	89	14	2.98	1.38	3.33	4.22	1.0	7	14	7	10
1909	41.5	81	9	3.03	2.24	2.01	4.83	0.6	6	13	9	9
1910	55.8	96	15	0.77	0.26	1.00	1.05	0.1	2	20	7	4
1911	46.8	91	5	1.72	1.71	1.84	1.62	1.4	6	16	8	7
1912	35.2	89	− 4	4.69	3.69	5.25	5.12	16.5	11	12	6	13
1913	40.6	84	−12	4.64	3.44	4.52	5.95	5.0	9	12	8	11
1914	43.2	87	− 2	2.76	2.80	2.89	2.59	4.7	8	13	7	11
1915	36.4	70	6	1.45	1.20	2.01	1.15	7.9	6	7	8	16
1916	47.0	95	− 2	2.55	2.48	3.20	1.98	3.1	7	14	8	9
1917	45.2	86	− 7	2.69	2.70	2.80	2.57	1.5	7	15	7	9
1918	50.9	95	8	1.02	0.46	1.55	1.06	0.1	4	18	6	7
1919	46.3	90	− 2	2.40	2.27	1.44	3.49	0.7	6	15	8	8
1920	44.6	86	− 6	5.12	4.60	5.37	5.40	1.4	8	15	6	10
1921	51.9	90	11	5.06	3.52	5.32	6.34	0.5	10	13	9	9
1922	45.6	80	3	6.39	4.89	6.78	7.51	2.2	12	11	6	14
1923	40.4	83	−11	4.23	3.53	3.64	5.52	2.3	8	14	6	11
1924	38.4	80	8	2.54	2.52	2.40	2.71	9.4	8	8	8	15
1925	47.7	86	− 5	1.94	1.77	1.98	2.07	0.8	5	17	8	6
1926	39.6	83	8	2.87	2.15	2.82	3.63	7.0	8	13	6	12
1927	45.9	80	0	5.93	4.08	6.88	6.83	3.7	11	12	8	11
1928	46.3	89	10	1.61	1.00	1.58	2.24	2.4	5	15	9	7
1929	48.6	97	11	3.33	2.99	3.13	3.88	T.	8	12	8	11
1930	43.2	80	6	1.38	1.19	0.91	2.04	1.4	4	18	6	7
1931	39.5	70	10	3.18	2.57	3.05	3.91	8.8	8	11	7	13
1932	38.3	81	− 2	1.99	1.39	1.62	2.96	2.8	7	12	9	10
1933	44.1	87	5	3.61	3.05	2.79	4.99	2.0	10	11	8	12
1934	41.2	82	− 3	2.55	1.53	2.10	4.03	4.9	7	13	8	10
1935	50.4	87	8	5.76	2.46	5.10	9.73	0.7	9	10	10	11
1936	49.4	84	13	1.27	0.82	1.00	1.98	T.	5	16	9	6
1937	40.4	77	6	1.66	1.27	2.15	1.56	2.8	6	12	8	11
1938	53.6	90	14	4.98	3.73	4.42	6.79	T.	12	13	7	11
1939	47.1	89	− 4	3.08	3.33	2.20	3.70	0.2	8	15	7	9
1940	43.1	89	0	2.44	2.07	2.43	2.83	4.0	8	9	9	13
1941	40.5	78	7	0.78	0.86	0.76	0.72	3.4	5	13	9	9
1942	45.8	84	8	2.05	2.05	1.48	2.63	0.7	7	12	8	11
1943	39.7	87	−22	2.63	1.41	2.58	3.90	5.0	8	13	9	9
Period	43.9	98	−22	3.16	2.46	3.07	3.96	3.0	8	13	8	10

Natural History Library

Climatological Data for March 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	36.4	.....	84	30	− 9	7	14	1.14	−0.55	0.40	18	7.0	6	19	5	7	s.	Curtis E. Grace
Bethany	Harrison	916	48	36.2	− 4.1	82	30	− 5	7	50	0.58	−1.65	0.50	18-19	5.0	5	16	7	8	nw.	A. S. Cumming
Brookfield	Linn	767	2	40.7[e]	.....	85	30	− 5	7	2	1.16	.....	0.35	19	2.5	5	16	11	4	sw.	E. W. Patrick
Brunswick	Chariton	652	62	36.6	− 5.3	82	29†	− 2	7†	64	1.52	−1.18	0.53	10	7.5	5	19	1	11	ne.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	36.5	.....	81	30	− 5	7†	13	1.62	−0.72	0.71	19-20	7.5	7	12	13	6	nw.	Lockmaster
Chillicothe	Livingston	779	34	35.4	− 6.3	83	30	− 3	7	37	0.66	−1.82	0.28¶	6	6.3	4	27	2	2	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	39.6	− 2.6	82	30	− 8	7	34	1.71	−1.03	0.68	19	6.2	7	12	11	8	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	39.0	− 3.9	83	30	0	7	53	1.76	−1.18	0.82	18-19	4.0	11	10	16	5	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	36.6	− 3.2	84	30	− 8	7	59	0.71	−0.91	0.35	15	3.0	4	10	12	9	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	38.0	− 5.2	83	30	−14	7	40	0.83	−1.43	0.23	10	8.0	6	12	11	8	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	12	40.7[d]	− 2.8	82	30	− 7	8	12	2.89	+0.13	1.32	15-16	3.0¶	6	10	16	5	s.	John Dowell
Fayette	Howard	760	63	39.0	− 2.9	82	30	− 4	7	60	1.40	−1.42	0.56	18-19	4.3	10	15	8	8	sw.	Irvin E. Schnell
Fulton	Callaway	818	55	39.9	− 4.2	81	30	− 1	7	51	2.13	−0.83	1.12	18-19	5.1	9	13	10	8	s.	Frank E. Hillgartner
Grant City	Worth	1,134	39	34.7	− 6.6	85	30	− 8	7	51	0.40	−1.61	0.31	18	4.0	2	12	8	11	sw.	Howard Ryholt
Hannibal	Marion	759	51	37.2	− 3.8	82	30	− 4	7	59	1.39	−1.21	0.61	18-19	3.4	7	13	11	7	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	38.8	− 3.9	81	30	2	7	54	1.17	−1.36	0.41	9-10	6.3	11	8	11	12	sw	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	40.2	.....	81	29†	− 1	7	5	1.17	.....	0.41	10	6.1	9	5	10	16	sw	University of Kansas City
Kidder	Caldwell	1,020	51	38.0	− 2.8	80	29†	2	2†	55	1.34	−0.85	0.67	16	7.0	6	22	1	8	n.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	37.5	− 2.2	82	30	− 4	7	61	1.43	−1.51	0.47	18-19	8.0	7	16	12	3	nw	Howard Coons
Lawson	Ray	1,070	5	38.1	.....	80	30	− 5	7	5	0.98	.....	0.42¶	5-6	9.8	6	22	6	3	nw.	Frank G. Gstrein
Louisiana	Pike	469	49	35.2	− 8.3	81	30	−11	8†	62	1.33	−2.14	0.55	19	4.0	4	20	11	0	s.	Stark Bro's Nurseries
Macon	Macon	875	44	34.6	− 7.6	81	30	− 6	7	50	1.47	−1.57	0.54	19-20	7.2	6	10	12	9	se.	John W. Atwell
Maryville	Nodaway	1,169	53	36.0	− 1.9	85	30	− 8	7	49	0.91	−0.96	0.50	18	7.5	4	16	5	10	sw.	R. B. Montgomery
Memphis	Scotland	787	4	33.1	.....	81	30	− 6	7†	13	0.74	−1.62	0.30¶	6-7	8.0	6	13	6	12	nw	John W. Alexander
Mexico	Audrain	800	54	36.8	− 5.2	83	30	− 2	7	65	2.52	−0.39	0.90	19-20	8.5	12	15	2	14	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	36.4	.....	86	30	− 4	7	6	1.65	.....	0.45	19	5.4	7	8[a]	11[a]	11[a]	ne.	Moberly Water Dept.
Oregon	Holt	1,048	87	37.5	− 2.1	85	30	− 4	7	87	0.82	−1.14	0.39	6	7.5	5	16	8	7	ne.	Miss Mina Wright
St. Charles	St. Charles	520	55	39.3	− 5.2	83	30	0	7	65	1.41	−1.76	1.12	16	4.0	4	21	4	6	nw.	Martin L. Comann
St. Joseph	Buchanan	957	33	37.2	− 3.3	84	30	0	7	71	0.62	−1.86	0.32	18	5.7	6	15	8	8	s.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	38.5	.....	81	30	0	7	5	1.36	.....	0.74	19	3.1	7	16[a]	10[a]	4[a]	nw.	Lockmaster
Shelbina	Shelby	779	2	38.0	.....	82	30	− 9	7	50	1.28	−1.51	....	.....	4.3	6	19	6	6	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	37.6	− 4.6	82	30	− 6	8	50	1.48	−1.53	0.65	18-19	4.5	7	16	8	7	s.	Samuel D. Gross
Tarkio	Atchison	916	40	34.9	− 5.2	87	30	− 5	7	49	0.77	−0.90	0.47	18	10.0	3	10	12	9	nw.	Albert Volker
Trenton	Grundy	822	47	38.4	− 2.7	82	30	− 2	7	48	1.87	−0.58	0.63	15	7.0	8	13	13	5	s.	W. H. Estes
Unionville	Putnam	1,062	50	34.0	− 4.9	85	30	− 5	7†	50	2.19	−0.31	1.10	16	8.5	4	12	16	3	nw.	C. D. Wilson
Warrenton	Warren	816	61	40.3[e]	− 2.2	81	30	− 2	3†	53	2.99	−0.19	1.26	15-16	4.0	9	13	11	7	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	36.8	− 2.5	81	30	− 2	7	71	1.46	−0.92	0.61	15	3.8	7	14	7	10	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**37.4**	**− 4.1**	**87**	**30**	**−14**	**7**	..	**1.41**	**−1.05**	**1.32**	**15-16**	**5.9**	**6**	**14**	**9**	**8**	**sw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	39	....	.....	..	..	....	..	44	2.31	−1.39	0.78	26	4.0¶	6	12	9	10	w.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	40.0	− 5.1	80	30	− 6	3	51	1.91	−1.24	0.88	18-19	3.2	8	16	3	12	ne.	Rolla Brown
Bolivar	Polk	1,071	49	40.8	− 5.5	78	30	− 7	7	48	3.21	−0.22	0.94	18-19	5.4	11	11	12	8	sw	Southwest Baptist College
Boonville	Cooper	650	5	36.6	.....	81	30	0	7	66	1.39	−1.65	0.70	19	3.5	8	17	3	11	se.	Boonville Water Dept.
Carthage	Jasper	962	9	42.8	.....	79	29†	−18	7	19	4.14	.....	1.00	16	7.0	9	14	7	10	s.	Carthage W. and E. Plant
Clinton	Henry	786	50	39.2	− 5.8	81	30	− 4	3	56	2.33	−1.03	1.11	18-19	3.5	11	9	14	8	sw.	U. S. Weather Bureau
Eldon	Miller	934	48	37.8	− 5.8	82	30	− 1	4	44	2.25	−0.79	1.25	19	1.8‖	7	15	11	5	ne.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	41.8	.....	81	30	− 3	3	2	2.88	.....	0.86	10-11	8.0	10	8	16	7	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	36.9	− 4.4	78	29†	− 6	3	68	2.10	−0.70	0.70	10	5.0	8	8	14	9	nw.	John H. Patterson
Jefferson City	Cole	557	53	38.0	− 5.6	83	30	− 1	3†	61	2.46	−0.60	1.39	19-20	2.7	8	14	3	14	se.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	42.5	− 6.1	80	30	2	3†	38	3.09	−0.11	0.57	19	6.5	11	2	18	11	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	39.4	− 5.2	81	30	2	3†	12	2.44	−0.31	1.49	19	2.5	9	14	6	11	ne.	W. S. Frame
Lamar	Barton	980	55	37.3	− 8.7	77	29	−12	7†	62	3.10	−0.09	1.00	19	8.0	8	16	6	9	sw.	Jesse A. Mann
Lebanon	Laclede	1,205	55	36.2	− 8.8	80	30	−10	3	56	3.00	−0.48	1.11	16	5.5¶	7	13	7	11	s.	Mrs. Rosa E. Moutelius
Lexington	Lafayette	688	58	37.8	− 5.6	80	30	1	7	79	1.72	−1.06	0.66	10	7.5¶	5	19	10	2	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	41.9	− 5.4	79	30	−10	7	47	3.59	+0.03	0.72	5-6†	11.0	10	14	11	6	sw.	Hubert A. Nieman
Marshall	Saline	779	56	40.6	− 2.4	82	29†	0	8	53	1.37	−1.55	0.56¶	11	2.5	6	12	12	7	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	40.8	− 4.6	77	30	− 5	7	36	3.60	−0.27	1.30	15	6.0	9	11	16	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	41.8	− 4.1	78	30	− 8	3†	43	2.91	−0.98	0.65	18-19	9.5	8	6	12	13	s.	G. H. Boswell
Neosho	Newton	1,011	56	44.0	− 4.1	80	30	− 9	3	60	4.23	+0.68	1.13	18-19	4.2	10	8	14	9	se.	U. S. Fisheries Station
Nevada	Vernon	862	50	41.4	− 3.5	80	30	− 9	7	51	3.51	+0.64	1.37	18-19	4.8	10	17	8	6	sw.	Henry Kraft
Ozark Beach	Taney	700	3	41.1	.....	80	30	3	3	18	2.80	−0.29	1.08	26-27	2.0¶	10	15	7	9	sw.	V. Smith
Sedalia	Pettis	910	30	41.5	− 1.3	81	30	− 2	3†	22	1.72	−1.11	1.07	18-19	2.5	8	21	7	3	sw.	Dr J. E. Caunaday
Seligman	Barry	1,542	42	43.6[c]	− 3.0	76	29†	− 6	3	40	2.80	−0.80	0.78	15-16†	5.5	8	11[b]	6[b]	12[b]	sw.	Floyd E. Fawver
Seymour (near)	Webster	1,642	37	39.6	− 5.8	77	30	−14	7	37	3.57	−0.09	0.96	15-16	6.0	9	13	8	10	s	A. L. Hailey
Springfield	Greene	1,301	55	38.6	5.0	78	30	− 8	7	55	3.16	−0.23	1.17	18-19	10.8	12	7	8	16	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	40.4	.....	81	30	− 4	7	2	1.59	.....	0.58	10	4.8	8	14	15	2	w.	H. F. Nelson
Warrensburg	Johnson	878	56	40.8	− 3.2	86	30	− 1	3	63	1.53	−1.56	0.60	10	3.0	7	12	14	5	sw.	Central Teachers College
Warsaw	Benton	687	42	41.0	− 6.0	80	30	− 5	3	48	1.74	−1.81	0.60	19	2.8‖	9	2	21	8	s.	James R. Riddle
Wasola	Ozark	1,294	2	42.4	.....	79	30	− 2	3	3	3.42	.....	1.38	26	4.4	9	15	8	8	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**40.2**	**− 5.0**	**83**	**30**	**−18**	**7**	..	**2.58**	**−0.49**	**1.44**	**19**	**5.1**	**9**	**12**	**10**	**9**	**s.**	
Southeastern Division																					
Advance	Stoddard	354	6	41.2	.....	78	25	1	3	6	5.68	.....	3.33	18-19	3.3	10	7	14	10	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	38.2	− 6.4	79	30†	− 4	3†	65	2.52	−1.53	1.03	11	5.5	10	17	4	10	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	48	41.2	− 6.1	78	30†	− 6	7	49	2.74	−1.24	0.75	26	3.5	10	16	8	7	s.	R. C. Moger
Bragg City	Pemiscot	261	1	46.3	....	75	31	5	3	12	5.93	+0.65	2.07	18-19	T. ¶	12	18	3	10	n.	Paul B. Hutchens
Campbell	Dunklin	314	17	44.7	− 3.3	77	30	4	3	17	4.80	−1.12	1.20	18-19	1.0	11	14	8	9	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	47	43.8	− 7.6	77	30†	5	3	51	7.36	+2.90	1.93	19	1.0¶	10	18	0	13	n.	Victor T. Malloure
Crystal City	Jefferson	420	9	40.8	.....	84	28	− 6	3	9	2.73	+0.05	0.83	16	7.0	9	7	7	17	n.	Frank Magie
Doniphan	Ripley	344	39	43.4	− 5.6	80	30	3	3	39	3.96	−0.43	1.28	26	0.8¶	9	20	5	6	ne.	Boyce Lackey
Farmington	St. Francois	896	32	41.1	− 5.4	79	30†	− 2	3	36	2.11	−1.81	0.83	10	3.9	10	10	10	11	s.	F. M. Karsch
Goodland	Iron	1,000	50	39.0	− 6.0	79	30	−22	3	50	2.40	−1.49	0.78	10	7.5	10	16	5	10	s.	F. M. Adams
Greenville	Wayne	381	34	42.8	− 4.9	80	30	− 4	3	36	5.27	+1.01	2.26	18-19	3.5	10	16	6	9	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	42.0	− 5.2	77	30†	− 2	3	53	6.80	+2.63	3.57	19	3.5	10	12	6	13	n.	John G. Putz
Koshkonong	Oregon	958	42	44.0[a]	− 5.4	78	30	1	3	43	2.66	−1.44	1.16	26	1.0¶	8	14	10	7	s.	R. E. Bratcher

Continued on next page

Climatological Data for March 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	6	41.1	.....	80	30	−16	7	6	2.95	.....	1.17	15-16	3.9	9	13	11	7	s.	U. S. Forestry Service
Marble Hill	Bollinger	470	18	42.6	− 5.0	79	31	− 5	3	50	3.99	−0.29	2.38	18-19	4.0	8	13	11	7	n.	R. A. DeWitt
Poplar Bluff	Butler	339	38	44.7	− 3.9	79	30	0	3	39	7.32	+2.96	3.21	19-20	1.0	9	11	10	10	sw.	B. R. Wheetley
Rolla	Phelps	1,202	43	38.6	− 6.9	80	30	− 2	3	59	2.29	−1.43	0.79	10	7.6	7	7	12	12	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	106	40.6	− 3.5	81	30	5	3	106	3.19	−0.19	1.37	15-16	4.5	8	9	11	11	nw	**Section Center**
St. Louis Airport	St. Louis	556	6	39.4	− 3.6	82	30	1	3	12	3.20	+0.32	1.37	15-16	4.4	9	4	13	14	w	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	40.6	− 3.6	80	30¶	4	3	31	2.80	−0.54	1.03	15-16	5.2	8	12	8	11	se.	St. Louis University
Salem	Dent	1,173	39	40.5	− 5.9	80	30	− 7	3	42	1.28	+0.41	2.45	15-16	5.5	7	14	6	11	s.	E. E. Martin
Sikeston	Scott	318	36	41.7	− 6.9	79	31	1	3	46	4.80	+0.34	1.37	19-20	6.0	11	14	11	6	ne.	Mrs. Hazelle P. Young
Union	Franklin	520	5	41.6	.....	83	30	− 8	3	26	2.88	−0.42	0.86	10	6.0	10	13	7	11	ne.	Robert Mueller
Wappapello Dam	Butler	475	4	42.0	.....	79	30	4	3	4	5.17	.....	2.51	19-20	2.9	13	19[a]	1[a]	10[a]	se	U. S. Engineer Office
Weingarten	St. Genevieve	803	2	....	.....	..	..	....	..	3	....	.....	....	.....	....	..	..	..	..	.....	William J. Miller
West Plains	Howell	1,005	6	40.5	.....	78	30	− 1	3	6	3.16	.....	1.13	26	1.5	11	11	6	14	n.	U. S. Weather Bureau
Willow Springs	Howell	1,298	2	38.0	.....	79	30	− 5	3†	36	2.68	−1.56	0.91	16	3.0	8	12	10	9	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	43.8	− 3.4	76	30	7	3	72	5.06	+1.31	1.45	18-19	4.5	11	10	8	13	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	41.6	− 5.2	84	28	−22	3	..	3.90	−0.03	3.78	19-20	3.9	10	13	8	10	s.	
State means	**and extremes**	.....	..	39.7	− 4.2	87	30	−22	3	..	2.63	− 0.53	3.78	19-20	5.0	8	13	9	9	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Marble Hill, Memphis, Mount Vernon, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 13)

the cold weather and wet fields, preventing grazing, necessitated feeding in large quantities and a shortage of feed was reported imminent for the coming months. A farm labor shortage was acute in many sections of the State.

While prospects for a good crop year at this time are not discouraging, the fact remains that good crops and favorable weather conditions have prevailed in this State the past two consecutive years and to expect a third year in succession, while not impossible but not very probable, would be rather optimistic.—M. R. W.

TEMPERATURE

The monthly mean for the State, 93 stations, reporting, was 39.7°, or 4.2° colder than normal. The highest monthly mean was 46.3° at Bragg City, and the lowest monthly mean was 33.1° at Memphis. The highest recorded was 87° at Tarkio on the 30th, and the lowest was 22° below zero at Goodland on the 3d.

PRECIPITATION

The average for the State, 156 stations reporting, was 2.63 inches, or 0.53 inch less than normal. The greatest local monthly amount was 7.36 inches at Caruthersville, and the least local monthly amount was 0.40 inch at Grant City. The greatest amount in any twenty-four hours was 3.78 inches at New Madrid on the 19-20th. The average number of days with 0.01 inch or more was 8.

Snowfall averaged 5.0 inches, or 2.0 inches more than normal. The greatest monthly amount was 11.0 inches at Lockwood.

MISCELLANEOUS PHENOMENA

Floods.—In Mississippi River in the reach from Hannibal to Louisiana, 5th to 13th and 20th to 22d; in reach from Cairo, Ill., and below, from 20th and continued into April.

Fogs.—Heavy, 8th, 10th, 15th, 18th, 19th, 25th.

Frosts.—Killing, 11th, 12th, 13th, 14th, 16th, 17th, 18th, 19th, 20th, 21st, 22d, 23d. (Frost not recorded prior to 11th.)

Glaze.—5th, 6th, 10th, 11th, 16th, 18th, 19th.

Hail.—Light, 14th at Bethany; 15th at Kansas City, Springfield, Amity, Conception, Edgerton, Kidder, Maryville, St. Charles, Trenton, Unionville, Altona, Appleton City, Lexington, Pleasant Hill, St. Louis University; 16th at Springfield, St. Louis, Clifton Hill, Anderson, Lockwood, Mount Vernon, Neosho, Nevada, Seligman, Seymour, St. Louis Airport, Salem, and west-central Gentry County; 19th at Springfield, Nevada, Bragg City; 31st at Conception.

Halos.—Solar, 12th, 17th, 20th, 23d; lunar, 14th, 15th, 16th, 17th, 19th, 20th, 22d, 23d, 25th.

Sleet.—5th, 6th, 10th, 11th, 15th, 16th, 18th, 19th, 27th, 28th.

Thunderstorms.—Local, 10th, 14th, 18th, 31st; more or less general, 15th, 16th, 19th.

Tornadoes.—15th, 16th. (See special tornado notes.)

Windstorms.—On 30th at Appleton City; damaged wires and roofs.

TORNADOES

A small local tornado struck at Galt and vicinity, in Grundy County, at 6:15 p. m. on the 15th, resulting in property damage estimated at $15,000. The storm came from the southwest and moved northeastward over a path one-fourth mile wide. Both straight and rotary winds were reported. About sixty houses were damaged and several farm buildings blown over. No one was injured.

On March 16th at 3:00 p. m. a small local tornado, with very high rotary winds, struck the west-central part of Gentry County, near Clyde, resulting in property damage estimated at $3,000. This storm also came from the southwest and moved northeastward over a path one-fourth mile wide. It was followed by hail over a strip about ten miles long and two miles wide. A large barn and several small buildings were badly damaged. No one was injured.

ERRATA

January 1943, page 2: Date of minimum temperature at Bragg City should be 20th.

February 1943, page 8: Temperature departure at Columbia should be + 6.0; page 12: minimum temperature at Rolla on 22d should be 35, mean minimum should be 26.4.

Daily Precipitation for March 1943

Stations	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand					T.	.25				.07					.17			.40	T.								.22				.03	1.14
Amity[2]	....do		T.				.14				.18					T.	.75			.27	T.				T.			T.	T.		T.	1.34
Bethany	....do					*	.20									T.			*	.30								.08				0.58
Bowling Green[2]	Mississippi					*		.28		*	.35						.35			.62												1.60
Brookfield	Grand					T.	.15				.33					.28	T.		T.	.35					T.						.05	1.16
Brunswick[2]	....do		.03				.40				.53					T.	.12			.44						T.						1.52
Canton, Lock No. 20[2]	Mississippi	T.					.32	T.			.10	.09				T.	.37	T.		.63	.08									.03		1.62
Centralia[2]	....do		.03				.24	.08			.35					.12				.72									.01	.01		1.56
Chillicothe[2]	(A) Grand		T.				.28				.20					.15	T.			.03					T.						T.	0.66
Clifton Hill	Chariton		.01			.15	.25				.55					.01	.06		T.	.68												1.71
Columbia [1]‡	Missouri	T.	.03			.14	.13			T.	.37					.18			.26	.56					T.			.03	.01	.04	.01	1.76
Conception	....do		T.			T.	.13				T.					.35			.23					T.							.03	0.74
Edgerton	....do		.03			.10	.13				.23					.19			.15	T.					T.						T.	0.83
Edina[2]	Mississippi						.28	T.			.16	T.					.26			.46	T.					.02						1.18
Elsberry	....do					*	.15				.52					.47	.85			.90												2.89
Farber[2]	....do		T.	T.			*	.15			.27					*	.07			.60						T.				T.		1.09
Fayette	Missouri		.04			.05	.24				.34					.05			.15	.41					T.			.02		.03	.07	1.40
Fulton	....do		.06			.08	.24				.34					.25	.03		.27	.85									.01			2.13
Gallatin[2]	Grand		T.				.19				.27					.05	.25			.49					T.				T.		T.	1.25
Grant City	....do					T.	.09				T.					T			.31	T.												0.40
Hannibal[3]	(A) Mississippi		T.			.41	.06				.24					.06	T.		.26	.35					T.				.01			1.39
Hermann[2]	Missouri		.03	T.			.12	.02			.60					T.	.98			.74									.05			2.54
Kahoka[2]	Mississippi						*	.35			*	.18					.33	.06		*	.40												1.32
Kansas City Airport [1]‡	Missouri	.02	.02			.13	.07			.01	.40					.18			.09	.20				T.	.04			T.	.01		T.	1.17
Kansas City University	....do		.04			.08	.20				.41					.11			.13	.16					.03				.01			1.17
Kidder[2]	Grand		T.			T.	.20		T.		.14						.67			.15	.16				T.						.02	1.34
King City	Missouri		T.			.03	.24				.03					.15			.15	.13												0.73
Kirksville	Mississippi					.02	.20			.40						.29	.05		.21	.26												1.43
LaBelle[2]	....do						.40				.25	T.					.85			.70	.05											2.25
Lawson	Missouri		.04			.12	.30				.15						T.		.08	.29											T.	0.98
Linneus[2]	Grand		T			T.	.20		T.		.23					.02	T.			.22	T.							.08				0.75
Louisiana[2] (A)	Mississippi			T.			.30										.40			.55	.08											1.33
Lucerne[2]	Grand						.05				.19					.08	.22			.36												.09	0.99
Macon[2]	Charitou						.35	T.			.36	T.				T	.15			.40	.14							.07				1.47
Madison[2]	Mississippi		T.			.01	.19				.54					.17	.26			.43					T.							1.60
Maryville	Missouri	T.	T.			T.	.24				.05					.12			.50	T.				T.			T.					0.91
Memphis[2]	Mississippi		T.				.23	.07			*	.12					.17			.15												0.74
Mexico[2]	....do		.04	.03			.45	.25			.38	.02				.15	.17			.88	.02							.07	.06			2.52
Milan[2]	Grand						.30	.04			.25						.23	.30		.15	.08					T.		.05				1.40
Moberly[2]	Mississippi		.01				.35	T.			.43					.25	T.			.45					.15			.01				1.65
Monroe City	....do						.30				.26					.12				.49												1.31
New Florence[4] ‡	Missouri	T	.01			.05	.03			T.	.47					.36	T.		.38	.42					T.			T.	.02	.02		T.	1.76
Oregon	....do					T.	.30				.10					.12			*	.30												0.82
Palmyra[2]	Mississippi						.35				.20						.10			.38												1.03
Paris[2]	....do		T.	T.			.15	.01			.31	.03					.56			.66	.04					T.			.04	.05		T.	1.85
Perry	....do						.20				.30					.15				.20	.30												1.15
Philadelphia[2]	....do						.35	.05		.24	.05						.48			.24	.05												1.46
St. Charles[2]	Missouri		.09			.15	.05	T.									1.12																1.41
St. Joseph [1]‡	....do	T.	.01			.12	.06			.03	.08								.32	T.					T.			T.					0.62
Saverton, Lock No. 22[2]	Mississippi		T.				.25	.04	T.		.20	.02					.10			.74	T.								T.	.01	T.		1.36
Shelbina	....do					*	.26				.30						.13		*	.59													1.28
Shelbyville[2]	....do						.18			.33										.73													1.24
Steffenville	....do					.07	.10				.29					.27	.10		.13	.52												T.	1.48
Tarkio	Missouri					.20					.10								.47														0.77
Trenton	Grand					.03	.20				.26				.24	.63			.40	T.								.09				.02	1.87
Troy[2]	Mississippi		T.	T.			.12	.03			.43	.04					1.21			.71	.02									T.		2.61
Unionville[2]	Chariton						.36				.35						1.10			.38													2.19
Warrenton	Mississippi		.04			.10	.12				.68					.88	.38		.21	.52									.06			2.99
Keokuk, Iowa[3]	....do					.04	.08				.12				T.	.61	T.		.23	.35									.03		T.	1.46
Southwestern Division																																	
Altona[2]	Osage		.03				.08				.56						.40			.58					.13		.21		.02	T.			2.01
Anderson (near)	Neosho		.18			.18					.32		T.				.20		.65						T.	T.	.78				T.		2.31
Appleton City	Osage		.18			.01	.08				.45					.20			.20	.68					.11								1.91
Bolivar	....do		.15			.30	.02				.68	.08				.03	.08		.55	.39					.02	T	.91				T.		3.21
Boonville[2] (A)	Missouri		*	.02			*	.30			*	.35								.70	.02												1.39
Buffalo[2]	Osage		*	.11			.40			.61	.06						.14			.70							.85						2.87
Butler[2]	....do		.07				.10				.43									.59				.10			.26		.01			1.56
Caplinger Mills[2]	....do		.08	T.			.32					.66	T.				.35			1.44						T.	.62						3.47
Carthage	Neosho		.18			.60					.67						1.00		.40	.52					.13	.02	.62						4.14
Clinton[4]	Osage	.04	.12			.10	.09			T.	.35					.38			.25	.86					.08	.05	.01						2.33
Concordia	Missouri		.07			T	.20				.77						.09		T	.60					T.								1.73
Crocker	Osage		.20			.28	.06				.67					.69	.45		.38	.13							.20						3.06
Eldon[2]	Missouri		.06				.07				.42					.07	.34			1.25							.04						2.25
Eldorado Springs	Osage			.04		.24	.08				.75	.10					.12		.22	.60					.05	T.	.54						2.74
Fort Leonard Wood	Gasconade		.25			.30	.09				.80	.06				.36	.26		.30	.28							.18						2.88
Galena[2]	White		.05				.09				.15	.23				1.27				.42					.06		.09						2.36
Hailey	....do		.14			.16	T.				.32					.08	.52		.23	.08					.19	T	1.38						3.10
Harrisonville[2]	Osage		.16				.22				.70						.36			.35					.04		.21			.06			2.10
Jefferson City[2]	Missouri		.03				.25				.37	.03				.17	.22			1.35	.04								T.				2.46
Joplin[3]	Neosho	T.	.11			.39					.54	T.				.02	.04		.56	.57				.01		.35	.48					.02	3.09
Lakeside[2]	Osage		.06	T.			.11	T			.48	.04				.02	.12			1.40						T.	.20	.01					2.44
Lamar[2]	Neosho		.15				.50				.70		.08				.22			1.00					.10		.35						3.10
Lebanon[2]	Osage		.15				.22				.48		.12				1.11			.55							.37						3.00
Lexington[2]	Missouri		.10				.30				.66						.26			.40					T.	T.			T.				1.72
Lockwood	Osage		.14			.67	.05				.62	.07				T.	.40		.32	.40					.20	T.	.72		T.				3.59
Manes[2]	Gasconade																																
Marshall	Missouri		.05			.05	.15				T.	.56					T.		.13	.43													1.37
Mountain Grove	White		.07			.35	.08				.60					1.30	.35		.10	.20							.55						3.60
Mount Vernon	Neosho		.22			.45	.40				.47	T.					.12		.35	.30					T.	T.	.60					T.	2.91
Neosho	....do			.28		.16	.06				.50					T.	.40		.45	.68					.82	.05	.83						4.23
Nevada	Osage		.14			.29	.03				.84	.01				T.	.30		.27	1.10					.04	T.	.49						3.51
Osceola[2]	....do		.05	T.			.15	T.			.60	T				.30				.71					.08		.37						2.26
Ozark Beach[2]	White		.03	.03			.07				.08	.18					1.04			.26					.03		.83	.25					2.80
Pleasant Hill[2]	Osage		*	.15			.21				.91	.01				.08	.38		T.	.42					.05		.19		T.				2.40
Roby	Gasconade		.02			.20	.03				.89	.02				.58			.55	.23							.60						3.12
St. Thomas (near)[2]	Osage		T.	.10			.13				.52					.06	.54			1.43							.16						2.94
Sedalia	Missouri		.03			.03	.12				.37								.17	.90					.05		.05						1.72
Sellgman	Neosho		.15			.25	.15				.51		T.			.40	.38		.18							T.	.78						2.80
Seymour (near)	White		.09			.38	.09				.78	T.				.75	.21		.10	.41							.76						3.57
Springfield [1]‡	....do		.04			.39	.03				.52	.01				.34	.04		.65	.52					T.	.12	.42					.08	3.16

Continued on next page

Daily Precipitation for March 1943 – Continued from preceding page

Stations	Drainage basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																	
Stover[2]	Missouri		.02			.01	.08				.57					.01			.20	.83					.09							1.84
Sweet Springs	do		.05			.05	.13				.58					.03	.15		.05	.55												1.59
Warrensburg	do		.10				.12				.60						.16		*	.51					T.		.04						1.53
Warsaw (A)	Osage		.10			.08	.05				.53						.03		.15	.60					.05	T	.15					T	1.74
Wasola	White		.08			.17	.06				.29					.44	.55		.20	.25							1.38						3.42
Waverly[2]	Missouri		.05				.18				.57	T.								.22					T.								1.02
Southeastern Division																																	
Advance[4]	St. Francis		.01		.01	.24	T.				.74	.48	T.			.01	.13		1.97	1.36							.73						5.68
Alton (near)	Black		.04			.08					.65	.32	.11				.03		.18	.48							1.28						3.17
Annapolis	St. Francis		.10			.23	T.				1.32	.11					.10	.25	.10	1.00							.34						3.55
Arcadia[2]	do		.07	.05			.30	T.			.17	1.03	T.				.23	T.		.31	.05						.10	.21			T.		2.52
Belleview	Meramec		.05			*	.30				.75					.09	.60		.10	.30							.20						2.39
Birch Tree (near)	Black		.09			.28					.35	.10	.01			.15	.48		.29	.24							.75						2.74
Bragg City	St. Francis		.01			.37	.03				*	.73	*	1.06			.44		1.46	.61							1.00	T.				.22	5.93
Campbell	do		.04			.42	.01				.36	.55	.12	.44			.55		.65	.55							1.11						4.80
Cape Girardeau[2]	Mississippi		.04	.06			.27	T.				1.22	.04	T.		T.	T.	.16		3.45	.33						.14	.52					6.23
Carruthersville[2]	do		T.	T.		.10	.30					1.05		1.60			.15	.83		1.93	.43						.25	.72					7.36
Centerville[2]	Black		.07	.02			.30				.50	.45	T.				.75			.13	.30						.16	.17					2.85
Crystal City	Mississippi		.20			*	.35				.71					.12	.83		.08	.36							.08						2.73
Decring[2]	St. Francis					.50	.37					.88		1.46				.36		1.18	.72						.20	.76				.09	6.52
Dexter[2]	do			T.		.11	.48					.85	.09				T.	.18		1.14	.57					.14	.90	.04					4.50
Doniphan	Black		.02			.11					.80		*	.47		T.	.24		.39	.65							1.28						3.96
Farmington	St. Francis		.04			.20	.05				.83	.04				.09	.23		.18	.29							.16						2.11
Fisk[2]	do	T.	T.	.04			.29				T.	1.23	.16		T.	T.	.09	.17	.17	2.37	.27						.11	.86					5.76
Fredericktown[2]	do		T	.07			.21					.99	T.				.97	.08		.42	.06						.09	.20					3.09
Gerald[2]	Meramec		.10	T.			.18	T.		.70	.05						.76			.46							.05						2.30
Goodland	Black		.13			*	.26				.73	.03				*	.50		.03	.45							.27						2.10
Greenville	St. Francis		.02			.30	T.				1.25	.36	T.	.05		.06	.21		.22	2.04							.76	T.					5.27
Jackson	Mississippi		.10			.26					1.12	.52	.03			.08	.26		.27	3.57							.59						6.80
Jerome[2]	Gasconade		.30				.40				.90					.10	.70			.55							.10						3.05
Koshkonong	Black		.16			T.	T.				.30	.10	.10	T.		T.	.20		.40	.30							1.16						2.66
Leeper[2]	do		.05	.03			.14					1.37	T.				.12	T		1.83	.34						.20	.52					4.60
Licking (near)	Gasconade		.08			.21	.01				.96	.03				.72	.45			.22							.27	T.		T.			2.95
Marble Hill	Mississippi		.03			.30					.48	.32				.04			.17	2.21							.44						3.99
Meramec Park[2]	Meramec		.12	.02			.14	.05			.28	.49					.85	.11		.51	T.						T.	T.			T.		2.57
Morehouse	Mississippi		.03			.35	.16				.33	.54	T.	.13			.43		.40	.87							.87						4.11
New Madrid[2]	do			.05		.15	.29	.03				.53	.06	1.05				.32		1.21	.33						.16	.91	.02				5.11
Owensville[2]	Gasconade		.10				.18					.13					.86			.31													1.58
Pacific[2]	Meramec		.20	.01			.14	T.			.37	.43					1.90	T.		.30	.16							.10			.05		3.66
Parma[2]	St. Francis			T.			.41					1.00		.49				.51		1.02	.19						.20	.85					4.67
Perryville	Mississippi		.26			*	.15				*	.37				*	.18		.11	.72							.25						2.04
Poplar Bluff[2] (A)	Black		.10	T.		.10	.30					1.20		.12			T.			2.45	.76					1.33	.96						7.32
Richwoods[2]	Meramec		.05	T.							.61	T.					1.20			.26							T.			T.			2.12
Rolla[4]	do	T.	.19			.10	.32				.79	T.				.47	T.		.22	.11							T.			T.		T.	2.20
St. Louis:																																	
City Office[1‡]	Mississippi	T.	.14			.29	.01				.75					.77	.60		.19	.44							T.		T.	T.		T.	3.19
Airport[4‡]	Missouri	T.	.03			.13	.05			T.	.67					.85	.52		.25	.69					T.		.01		T.	T.			3.20
St. Louis Univ.[3‡]	Mississippi		.22			.16	.14				.66					.66	.37		.22	.37							T.	T.		T.			2.80
Washington Univ.[2‡]	do			.03				.15			.60	.15					1.21			.80	.05									.01			3.00
Salem	Meramec		.18			.25					1.00	T.				1.60	.85		T.	.18							.22						4.28
Sikeston[2]	Mississippi		T.	.03		.10	.56					.96	.02	.18			T.	.65		1.05	.32						.12	.81					4.80
Union	Meramec		.10			.08	.21				.86					.28	.53		.18	.57							.06		.01				2.88
Valley Park[2]	do		.14	.06			.16	T.			.04	.70					1.23	T.		.45	.25						T.	T.					3.03
Van Buren	Black		.03			.30					.90	.30				T.	.35		.15	.95							.67						3.65
Wappapello Dam[2]	St. Francis		.02	.02		.03	.32				.04	1.10	T.	.03			.16	.01		2.19	.32						.30	.63					5.17
Weingarten	Mississippi																																
West Plains[4]	Black		.05		T.	.05	T.				.30	.07	.05			.11	.59		.15	.52					T.	T.	1.13					.14	3.16
Williamsville[2]	do		.12	.04		.03	.30					1.51	.02	.04			.15	.01		.96	.20						.19	.55					4.12
Willow Sprgs. (near)[2]	White			T.			.20				.20	.20	T.	T.			.91			.14	.55						.20	.28					2.68
Zalma (near)	Mississippi		.01			1.28	T.				.89	.59	T.	.02		.02	.19	.10	.11	2.26							.88						6.35
Cairo, Ill[1‡]	do		.02		.14	.65	T				.60	.53	.19			.03	.72		.74	.71							.73						5.06

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for March 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.085	*	*	*	*	*	*	*	*	.530	.030	.021	*	.179	.214	.115	*	.259	.058	.056	.082	.124	*	.239	.039	.124	.129	.154	.161	.283	.393	3.275
	Mean temperature	30	13	16	24	24	22	18	24	37	36	40	40	46	52	59	36	40	38	36	32	35	37	40	42	54	52	51	54	61	66	66	39.4
	Wind movement	34	79	95	126	82	75	140	36	83	84	45	18	15	28	96	113	80	44	61	94	35	53	21	33	18	37	34	21	46	82	104	1,912
St. Louis (Washington University)	Evaporation	.096														.068	.162	****	.108	.126	.014	.083	.081	.109	.071	.130	.093	.125	.082	.162	.128	.116	.295	3.301
	Mean temperature	33	14	14	28	25	24	13	19	35	39	36	38	46	51	57	36	43	38	40	32	36	35	42	50	56	56	48	46	54	64	70	39.2
	Wind movement	55	150	88	64	93	119	110	..	..	..	75	29	29	19	86	93	61	65	72	62	81	79	33	59	27	35	87	94	48	62	111	1,986

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. **** −.026.

Daily Temperatures for March 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	29	16	31	49	22	21	20	39	58	37	47	53	65	71	74	39	41	32	34	41	47	48	60	55	71	64	55	61	82	82	71	48.9
	Minimum	27	8	3	4	17	14	−2	−2	6	28	26	28	29	30	43	23	21	27	29	19	20	22	20	29	40	38	33	34	34	45	58	24.2
Chillicothe §§	Maximum	22	16	35	49	22	17	21	39	55	38	49	51	66	70	75	36	41	29	31	39	45	49	59	51	69	59	49	62	82	83	68	47.6
	Minimum	17	3	2	6	15	12	−3	0	8	24	22	26	29	36	40	17	18	25	25	16	20	19	25	34	42	42	30	33	35	47	58	23.3
Columbia	Maximum	37	17	30	47	29	24	22	36	58	53	47	51	64	71	69	38	48	34	35	40	46	48	59	56	69	67	56	60	79	83	72	49.8
	Minimum	14	7	2	24	19	6	0	7	28	29	27	33	27	43	34	26	33	31	25	21	28	23	32	44	46	43	35	39	45	60	45	28.3
Fayette	Maximum	43	22	29	46	42	20	20	37	59	56	47	51	63	71	73	67	45	39	33	39	47	47	59	54	65	66	58	60	80	82	77	51.5
	Minimum	20	4	−2	20	16	12	−4	3	26	27	22	28	24	40	55	21	27	27	26	17	23	18	26	40	39	53	32	35	42	52	54	26.5
Grant City	Maximum	38	17	38	49	28	21	22	38	53	41	49	52	62	65	69	31	40	31	30	37	40	47	56	53	61	55	46	60	81	85	71	47.3
	Minimum	13	−2	−2	22	10	5	−8	5	13	21	20	24	26	41	31	12	19	20	20	5	16	18	30	40	38	38	32	32	39	57	49	22.1
Hannibal	Maximum	37	15	30	48	33	25	17	28	57	48	42	48	62	71	67	45	46	33	35	39	46	45	58	53	69	64	50	55	75	82	74	48.3
	Minimum	13	4	0	21	15	6	−4	−1	26	27	23	27	29	43	45	23	27	28	22	18	23	19	30	41	46	43	32	36	38	57	48	26.0
Kansas City Airport	Maximum	43	14	35	50	23	20	24	43	57	37	50	51	65	68	75	43	42	34	34	39	47	52	59	55	67	60	54	66	80	81	70	49.6
	Minimum	14	6	6	23	14	8	2	14	34	24	27	29	32	48	25	20	28	26	24	20	28	25	38	42	47	42	35	37	48	63	47	28.3
Kirksville	Maximum	38	17	32	49	46	20	19	30	39	48	49	53	65	70	72	67	40	37	30	39	41	49	56	52	70	66	59	57	81	82	76	50.0
	Minimum	15	0	0	22	12	12	−4	−1	25	20	24	28	30	39	50	17	23	23	23	15	22	18	25	40	42	42	29	33	37	55	60	25.0
Lawson	Maximum	42	22	35	47	37	32	47	40	56	54	50	52	65	67	74	42	41	35	36	39	45	50	61	52	62	55	62	60	79	80	71	51.3
	Minimum	15	8	0	22	9	3	−5	5	29	22	22	28	32	42	38	16	23	22	22	22	18	20	29	40	40	31	32	38	42	50	56	24.9
Louisiana §§	Maximum	33	15	29	48	26	22	17	33	58	44	43	48	62	71	67	36	47	36	40	40	45	57	45	55	69	67	54	55	73	81	75	48.1
	Minimum	29	9	2	1	20	17	−4	−11	−11	17	23	23	23	25	40	27	26	26	30	21	22	22	22	22	29	39	35	35	37	41	56	22.4
Macon §§	Maximum	26	18	30	48	22	20	20	32	56	39	47	50	63	70	70	35	40	32	33	39	47	47	58	51	69	60	49	57	79	81	69	47.0
	Minimum	25	4	1	2	14	13	−6	−5	0	24	20	24	27	34	43	22	20	25	24	15	16	18	19	30	41	43	30	31	35	40	59	22.2
Maryville	Maximum	38	15	39	47	40	20	22	39	54	48	46	52	65	65	71	36	37	35	28	34	40	46	54	52	60	59	51	57	83	85	81	48.4
	Minimum	14	0	0	24	10	4	−8	8	27	19	23	27	30	40	36	11	18	20	20	7	18	23	30	40	37	37	32	32	41	60	51	23.6
Mexico §§	Maximum	31	19	31	50	25	25	24	35	60	40	46	49	66	74	71	40	50	35	36	41	48	49	60	55	72	68	55	59	80	83	75	50.1
	Minimum	25	6	1	2	18	15	−2	−1	0	22	24	27	26	32	39	25	25	29	29	19	20	20	21	26	39	42	33	34	38	42	52	23.5
Moberly §§	Maximum	28	17	30	47	22	21	20	34	60	38	47	50	64	72	73	36	43	33	33	40	47	47	60	53	65	64	54	58	83	86	74	48.4
	Minimum	26	5	0	2	16	15	−4	4	7	28	24	26	28	30	45	23	22	27	29	18	19	19	21	33	42	44	31	34	36	45	60	24.4
Oregon	Maximum	42	17	42	48	40	20	22	43	54	49	48	54	63	67	72	35	40	37	32	37	43	52	54	54	62	59	54	63	83	85	77	49.9
	Minimum	16	0	4	21	12	4	−4	11	32	19	27	24	33	46	34	12	21	21	19	9	24	25	34	40	40	40	32	33	44	61	43	25.1
St. Charles §§	Maximum	35	21	28	49	27	24	25	42	59	44	46	47	64	72	68	43	41	46	45	48	47	46	60	60	71	64	56	51	72	83	80	50.5
	Minimum	32	11	1	5	22	21	0	6	9	28	28	28	28	30	53	29	29	34	23	25	24	27	28	35	45	49	38	38	40	45	59	28.1
St. Joseph	Maximum	37	14	40	48	20	19	24	40	56	37	47	51	66	63	75	37	40	30	30	37	43	51	56	53	62	60	51	62	82	84	70	47.9
	Minimum	14	4	6	20	15	6	0	12	31	22	27	30	35	47	22	15	23	23	20	15	26	25	34	41	43	38	33	35	46	63	48	26.4
Trenton	Maximum	39	30	36	50	44	22	22	38	55	47	48	51	64	68	73	67	39	36	29	38	44	47	57	51	68	65	55	58	81	82	73	50.9
	Minimum	16	2	1	25	14	10	−2	5	25	24	24	27	29	40	54	16	23	24	23	15	24	21	27	38	40	37	32	34	40	55	57	25.8
Unionville §§	Maximum	23	16	35	60	23	20	25	32	60	38	55	58	57	70	70	29	40	30	33	40	45	53	60	55	68	59	55	57	80	85	68	48.4
	Minimum	14	0	−2	−1	12	10	−5	−5	−3	24	20	22	27	32	42	16	15	21	22	12	11	17	17	28	38	40	29	31	33	40	55	19.7
Warrenton	Maximum	36	25	25	48	41	24	20	33	59	53	44	45	63	70	66	63	52	45	46	46	46	46	56	56	71	67	60	55	74	81	77	51.4
	Minimum	25	7	−2	17	18	18	..[a]	−2	18	30	25	29	31	41	55	25	30	30	31	21	25	21	26	41	41	49	35	36	40	54	60	[a]29.2
Keokuk, Iowa	Maximum	35	14	31	48	25	24	15	29	55	43	44	50	63	68	66	38	40	32	34	35	43	45	59	50	68	56	50	52	74	81	70	46.4
	Minimum	12	1	4	24	15	6	−2	2	28	27	24	29	35	41	38	20	23	26	23	18	26	21	31	42	48	42	33	36	39	60	44	26.3
Southwestern Division																																	
Clinton	Maximum	34	17	29	42	29	21	23	42	62	48	51	51	67	72	74	45	52	35	35	41	48	52	58	54	68	66	60	69	79	81	72	50.9
	Minimum	14	2	−4	22	18	3	−1	12	31	29	28	32	26	43	29	24	29	32	26	23	29	23	31	41	39	45	36	39	48	56	45	27.4
Eldon §§	Maximum	34	16	28	44	25	21	24	40	60	44	50	50	67	72	68	41	56	38	37	41	47	50	58	56	70	65	59	64	79	82	72	50.3
	Minimum	30	9	0	−1	20	20	1	0	7	23	27	29	28	29	45	27	25	30	32	22	22	24	22	28	39	38	37	35	38	45	56	25.4
Harrisonville §§	Maximum	29	12	32	45	20	20	25	42	58	40	49	56	66	70	75	43	43	33	36	42	50	50	58	54	68	64	56	66	78	78	71	49.3
	Minimum	26	7	−6	1	17	11	−5	−1	12	26	25	29	31	32	44	21	20	30	24	18	20	24	24	34	38	42	33	37	38	50	58	24.5
Jefferson City §§	Maximum	36	14	26	47	23	22	21	36	60	42	48	48	65	72	67	40	55	38	39	42	47	48	69	55	69	67	59	62	79	83	73	50.1
	Minimum	30	10	−1	−1	20	20	0	1	9	30	28	28	28	28	39	27	26	31	32	21	21	23	23	32	43	43	37	37	38	46	58	26.0
Joplin	Maximum	37	21	27	43	35	22	20	46	62	60	50	46	66	70	76	47	59	53	57	40	46	52	56	52	56	62	63	74	78	80	70	52.5
	Minimum	21	7	2	24	21	9	2	12	36	29	33	37	34	49	36	27	33	39	26	26	31	30	38	44	48	51	41	48	55	63	55	32.5
Lamar §§	Maximum	58	18	27	42	25	22	25	43	55	37	47	45	64	65	72	45	54	41	39	40	47	48	55	50	55	61	61	72	77	76	70	49.5
	Minimum	25	10	−5	−3	21	16	−12	−12	10	32	28	30	28	28	42	25	24	25	28	23	24	23	23	34	41	44	36	36	47	50	57	25.1
Lebanon §§	Maximum	32	13	23	45	25	30	26	38	60	39	48	47	66	70	66	41	56	48	31	40	47	51	57	56	65	56	56	70	76	80	69	49.3
	Minimum	23	7	−10	−7	18	16	−7	−7	6	27	28	28	25	28	35	23	24	26	30	18	21	20	20	31	38	40	37	36	39	46	53	23.0
Lexington §§	Maximum	28	18	32	50	20	19	26	42	57	40	50	52	66	68	73	41	41	32	35	44	49	51	60	53	68	64	56	64	79	80	69	49.3
	Minimum	20	6	3	9	17	12	1	4	16	25	25	30	33	43	49	20	21	29	25	19	24	24	27	39	40	43	33	34	39	51	57	26.4
Marshall	Maximum	52	23	29	46	46	21	22	39	59	59	47	50	65	72	74	71	42	41	32	40	47	48	59	57	69	68	60	75	82	82	81	53.5
	Minimum	20	6	2	23	17	14	5	0	27	27	26	22	32	39	39	21	28	30	27	21	21	21	29	42	42	47	34	40	45	57	58	27.8
Mountain Grove	Maximum	48	37	27	45	39	24	24	34	57	51	48	47	64	68	68	63	55	49	52	46	48	50	55	56	63	59	65	68	74	77	74	52.7
	Minimum	25	9	−4	15	21	18	−5	6	24	31	30	30	28	37	53	27	28	34	29	23	28	23	28	42	42	47	40	42	44	50	54	29.0
Neosho	Maximum	46	35	31	44	43	27	25	48	63	62	51	52	67	70	73	73	60	60	56	42	48	53	58	56	58	65	76	79	80	79	79	56.1
	Minimum	21	12	−9	23	21	17	−3	14	34	35	33	34	25	41	62	27	27	37	30	24	33	22	35	42	43	49	54	40	48	59	62	32.0
Nevada	Maximum	48	26	31	41	41	22	28	46	61	61	52	50	66	71	75	75	51	51	39	43	49	53	57	55	63	67	62	75	78	80	74	54.5
	Minimum	24	9	−7	19	17	12	−9	9	28	26	28	32	25	39	55	23	25	32	24	20	29	21	33	40	40	40	35	43	48	55	59	28.2
Sedalia	Maximum	44	25	30	42	40	22	26	42	61	60	49	49	65	72	72	70	46	43	35	41	47	49	60	56	70	66	64	64	80	81	80	53.3
	Minimum	25	9	−2	17	18	16	−2	9	29	28	26	33	29	44	58	22	30	32	29	21	28	24	31	42	42	48	34	38	46	58	60	29.7
Springfield	Maximum	39	18	26	45	27	20	21	37	57	50	49	46	63	70	65	42	56	50	50	40	46	50	55	52	58	56	62	69	76	78	67	49.7
	Minimum	17	0	−4	18	20	0	−8	4	26	30	30	33	30	42	35	25	29	35	27	22	30	22	32	41	41	45	38	46	48	53	48	27.6
Warrensburg	Maximum	46	24	29	40	40	21	24	39	60	58	45	48	64	70	73	70	42	41	34	39	45	46	56	54	68	65	59	66	78	80	76	51.6
	Minimum	23	7	−1	23	17	13	0	11	30	26	28	33	34	44	59	22	31	30	26	22	29	25	32	42	42	49	34	36	48	56	60	30.0
Southeastern Division																																	
Arcadia §§	Maximum	44	19	27	44	30	26	28	32	58	51	50	46	67	70	67	49	60	55	57	48	52	53	58	60	70	53	64	67	71	79	79	52.7
	Minimum	20	12	−4	−4	17	24	−3	−4	−3	25	29	26	28	29	36	33	26	28	35	23	23	24	20	25	33	24	42	40	37	41	54	23.7
Birch Tree (near)	Maximum	48	33	29	43	32	27	27	37	60	55	50	43	65	69	65	66	57	49	58	53	49	53	56	58	65	53	65	69	73	78	78	53.6
	Minimum	22	12	−4	12	17	20	−6	2	26	35	31	28	29	28	55	31	21	34	37	24	30	25	39	40	..	44	43	37	42	52	57	[a]28.8
Caruthersville §§	Maximum	59	27	26	42	36	34	26	36	61	53	44	43	61	70	74	65	60	68	71	49	50	49	61	64	66	60	62	64	70	77	77	55.0
	Minimum	29	25	5	8	20	30	9	15	18	33	33	33	35	34	40	58	30	35	48	29	29	30	32	35	39	44	50	42	43	45	52	32.5
Crystal City	Maximum	40	32	27	46	37	29	25	32	56	55	45	46	62	72	69	67	58	43	48	45	49	47	58	65	70	60	59	84	73	82	82	53.6
	Minimum	20	11	−6	12	24	17	1	6	18	35	32	23	22	28	55	30	27	33	28	21	29	21	19	39	34	48	41	40	40	54	62	27.9
Doniphan	Maximum	58	40	30	42	32	32	32	33	63	56	50	46	65	71	71	70	62	53	65	53	52	55	58	61	69	64	66	66	74	80	79	56.4
	Minimum	20	16	3	11	22	25	8	11	19	40	32	33	29	29	53	37	25	33	44	23	33	26	22	39	32	50	48	42	41	42	56	30.5
Farmington	Maximum	44	28	26	43	38	37	24	31	57	53	45	45	64	69	66	67	59	57	52	44	47	48	58	61	70	67	58	60	71	79	79	53.1
	Minimum	25	9	−2	16	22	17	1	2	23	33	29	23	31	38	55	30	30	34	34	23	29	23	26	43	37	48	41	40	39	50	52	29.1
Jackson	Maximum	49	40	26	41	39	33	27	32	57	56	40	44	63	68	69	69	57	57	64	47	47	52	54	61	69	66	60	62	70	77	77	54.0
	Minimum	22	13	−2	15	22	25	3	5	24	30	31	29	31	32	53	36	29	35	42	26	31	27	24	40	35	50	44	40	37	50	53	30.1
Poplar Bluff	Maximum	56	30	29	46	42	37	32	53	62	56	48	44	58	72	72	70	60	52	66	52	58	56	55	62	69	64	64	65	74	79	77	56.8
	Minimum	24	18	0	16	20	26	6	26	21	46	32	34	32	48	50	43	30	36	44	25	29	25	29	40	35	45	47	45	46	44	50	32.6
Rolla	Maximum	34	16	25	43	26	22	22	34	55	52	44	45	65	70	65	40	54	37	43	41	50	48	55	57	67	58	60	65	76	80	73	49.1
	Minimum	16	0	−2	18	22	6	0	6	26	31	29	31	32	39	40	27	29	32	26	21	28	22	28	45	40	48	40	41	44	56	50	28.1
St. Louis	Maximum	35	19	25	46	33	26	19	29	58	53	43	47	63	69	66	58	54	43	46	41	44	45	56	59	67	62	55	57	68	81	79	49.9
	Minimum	19	8	5	22	22	10	5	9	25	32	28	34	37	43	54	29	37	35	29	24	29	25	34	46	49	49	39	39	42	57	54	31.3
Salem	Maximum	43	30	27	46	40	24	24	35	57	55	47	47	66	71	68	63	57	54	49	43	48	50	58	58	69	61	61	69	76	80	77	53.3
	Minimum	22	9	−7	14	22	17	−5	−3	17	32	29	27	24	38	56	28	28	34	31	22	28	22	27	42	36	47	42	43	44	55	37	27.7
Sikeston §§	Maximum	52	21	27	43	33	30	29	32	59	51	43	44	63	70	72	66	60	67	70	49	49	48	55	64	70	55	59	61	71	75	79	53.8
	Minimum	25	20	1	2	12	21	6	9	9	27	32	32	32	32	49	58	31	34	42	29	22	29	29	33	39	50	46	38	40	43	45	29.6
Union	Maximum	43	28	28	49	45	27	27	35	61	57	46	48	68	74	69	67	57	55	44	44	50	50	61	62	71	66	63	60	77	83	79	54.6
	Minimum	25	10	−8	14	21	18	4	−1	25	34	29	25	25	28	59	29	30	30	33	22	28	21	21	39	44	48	39	40	39	56	61	28.6
West Plains	Maximum	48	24	29	43	28	28	28	38	61	54	51	44	65	70	66	66	59	46	60	48	50	53	58	58	62	54	65	67	74	78	76	53.3
	Minimum	20	7	−1	15	18	10	4	11	19	33	31	29	28	28	55	28	23	34	29	23	29	24	22	37	32	49	42	40	40	45	56	27.7
Cairo, Ill.	Maximum	51	27	25	41	35	34	26	33	58	53	42	41	61	70	70	68	59	59	70	48	49	48	54	62	68	58	60	60	69	76	75	53.3
	Minimum	27	12	7	20	29	16	11	11	29	35	33	34	36	41	58	37	35	41	35	31	34	32	31	44	43	52	48	44	45	54	58	34.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 4-29-43—1000.

1.05
MS
1.47
10.4

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. C. GROSS
ST. LOUIS, MO.

VOL. XLVII APRIL 1943 No. 4

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GENERAL SUMMARY

April was the fourth consecutive month with deficient precipitation and the moisture situation was becoming rather critical by the close of the month. The prevailing weather conditions were quite favorable for farm work and outdoor activities and much progress in plowing and planting was accomplished and about normal seasonal advancement along these lines had been effected at the end of April, while at the beginning of the month the seasonal advancement of early spring work was two to three weeks backward.

The temperature averaged slightly above normal for the State, as a whole, and likewise for each of the three Divisions of the State, but some stations in each Division averaged below their respective normals. The average for the Northern Division was 53.8°, the Southwestern Division 57.0°, and the Southeastern Division 57.1°. The first ten days and the last week of the month were generally mild, to warm, while from the 11th to the 23d a cool period prevailed and damaging frosts or freezing temperatures occurred, particularly on the 14th and 15th with considerable damage to tender garden truck and fruit buds over much of the State. Nights generally were too cool for best growth of most cultivated crops.

Precipitation averaged approximately one inch less than normal in each Division and for the State as a whole. However, individual stations in each Division received monthly totals in excess of normal, indicating irregular distribution of the month's moisture over the State. Some stations received as much as five to six inches during April while others received between one and two inches. The average for the Northern Division was 2.28 inches, the Southwestern Division 3.15 inches, and the Southeastern Division 3.30 inches. The frequency throughout the month was regular enough but the amounts of the showers were mostly too light to provide ample moisture for rapid and steady growth of growing crops and grasses. Showers that occurred were mostly absorbed by the soil and there was very little run-off.

Snowfall was inconsequential and no measurable amounts were reported anywhere in the State. Several stations reported a Trace which occurred locally on the 13-14th and 18-19th.

There were no severe storms or floods; however several local occurrences of heavy hail occurred with considerable damage.

Corn planting began during the second week in the southern half of the State, and was making good progress in other sections at the close of the month when about forty per cent had been planted. Some of the earlier planted was coming up to good stands. Oat seeding was completed during the month and fields were up to good stands and growing nicely, except rather thin in the northwest part of the State, where growth was slow from lack of warmth and moisture. Wheat made good growth and stooled satisfactorily and by the end of the month was beginning to joint with condition generally good to excellent, but needing rain. Pastures and meadows made slow growth during the month and there was some concern about the hay crop in the northwestern quarter due to deficient precipitation. Planting of gardens and truck crops made excellent progress but growth was slow due to cool nights and lack of warm showers, but potatoes came up to good stands and made good growth. Planting of cotton in the southeastern counties began the latter part of the month and was making good progress at the close under favorable conditions. Fruit buds were damaged by the frequent freezes and prospects were only fair to poor generally.

Warmth and moisture were urgently needed at the close of the month.—M. R. W.

(Continued on page 21)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.44*	30	29.50*	11	9.6	24	nw.	13	74*	47*	49*	67	315
Kan. C. Airport	30.38	5	29.58	11	12.2	36	nw.	13	73	47	45	70	254
St. Joseph	30.45*	30	29.56*	16	10.8	31	w.	12	72*	44*	42*	62	301
St. Louis	30.55*	3	29.42*	12	13.8	40	sw.	4	68	46	55*	56	312
Springfield	30.41	30	29.56	11	13.4	44	nw.	11	76	51	54	62	289
Cairo, Ill.	30.54	3	29.46	11	10.7	28	sw.	16	74	48	..	68	235
	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	57.9	94	20	1.92	1.54	2.37	1.85	....	5	..	..	..
1889	55.7	90	27	2.66	2.84	3.31	1.83	....	8	..	..	..
1890	56.2	93	25	3.58	2.26	3.43	5.05	....	8	..	..	..
1891	56.8	93	15	3.46	3.88	4.08	2.41	T.	9	..	..	..
1892	53.1	90	24	5.83	5.14	5.35	7.01	0 0	11	9	8	13
1893	53.9	95	19	8.27	6.37	9.14	9.29	0.0	12	8	9	13
1894	56.1	95	20	3.11	2.24	3.52	3.58	T.	8	12	10	8
1895	57.9	100	24	2.04	1.87	2.08	2.17	T.	7	14	8	8
1896	61.9	92	17	3.57	3.10	4.35	3.25	0.0	9	11	12	7
1897	54.4	88	21	4.65	4.07	3.78	6.10	T.	10	10	11	9
1898	52.5	90	14	3.64	3.77	3.75	3.40	T.	10	12	9	9
1899	54.0	96	6	3.80	3.46	4.02	3.93	3.8	8	12	9	9
1900	56.7	89	21	3.50	3.05	3.66	3.78	0.7	9	11	10	9
1901	53.3	94	24	2.96	2.63	2.83	3.41	1.8	8	14	7	9
1902	53.9	95	19	2.82	1.98	3.30	3.18	T.	11	13	11	6
1903	55.9	91	26	3.37	3.97	3.34	2.79	1.2	9	11	10	9
1904	49.0	84	19	5.63	6.14	6.07	4.67	2.7	9	15	6	9
1905	51.9	92	20	3.09	3.66	2.28	3.34	0.3	6	14	8	8
1906	59.5	93	22	2.42	2.67	2.40	2.18	0.0	6	17	7	6
1907	48.7	89	16	3.33	2.62	3.83	3.55	T.	8	11	8	11
1908	56.6	90	18	5.89	2.55	6.58	8.53	T.	11	11	8	11
1909	54.8	93	19	4.72	4.36	3.60	6.21	T.	8	13	9	8
1910	54.8	97	21	3.58	2.74	3.55	4.45	0.9	11	12	7	11
1911	53.5	91	20	4.93	4.28	4.70	5.81	T.	10	12	8	10
1912	56.0	89	24	6.08	3.78	6.47	8.00	0.7	10	13	7	10
1913	56.2	94	25	3.32	3.36	3.10	3.50	T.	7	16	5	9
1914	55.2	91	18	3.14	2.57	3.11	3.75	T.	8	12	7	11
1915	61.9	96	18	2.12	1.93	2.64	1.79	T.	7	16	8	6
1916	53.5	93	21	3.32	2.77	3.93	3.27	1.9	10	11	8	11
1917	53.2	89	19	5.95	5.66	5.08	7.11	1.2	12	12	6	12
1918	50.8	93	19	5.33	3.61	5.26	7.11	0.9	11	12	6	12
1919	55.3	94	20	3.03	3.15	3.46	2.47	T.	9	12	7	11
1920	50.2	89	4	3.82	4.86	3.30	3.31	4.8	11	11	7	12
1921	56.0	91	19	5.36	4.70	5.22	6.16	1.1	10	13	7	10
1922	57.3	91	24	6.41	4.96	8.47	5.81	T.	11	13	6	11
1923	54.2	92	14	3.26	2.52	3.38	3.89	0.4	8	14	8	8
1924	56.6	95	11	2.15	1.26	2.78	2.40	T.	6	14	8	8
1925	61.0	92	24	4.12	4.12	4.73	3.52	0.0	10	12	9	9
1926	49.9	91	11	2.42	2.39	2.17	2.69	2.4	8	14	6	10
1927	57.7	94	18	8.68	6.73	8.61	10.70	T.	14	10	7	13
1928	51.6	88	16	4.86	2.76	5.46	6.37	0.2	8	13	7	10
1929	57.4	96	27	6.15	6.32	6.58	5.56	0.0	12	11	8	11
1930	59.1	96	23	2.02	1.89	2.77	1.39	0.0	8	14	8	8
1931	54.8	90	22	2.96	2.92	2.77	3.18	T.	9	14	6	10
1932	57.6	95	22	2.58	2.43	2.52	2.78	0.0	8	14	8	8
1933	54.9	88	22	3.84	2.08	3.82	5.62	0.7	10	11	9	10
1934	56.5	90	24	2.50	2.06	2.61	2.84	T.	7	16	8	6
1935	52.3	90	23	2.90	3.10	3.02	2.59	0.7	9	9	7	14
1936	53.0	95	9	2.45	2.00	1.93	3.41	0.5	8	16	7	7
1937	54.5	93	21	4.04	3.25	3.67	5.21	T.	10	10	8	12
1938	56.7	89	18	3.68	3.79	4.13	3.13	3.2	10	13	9	8
1939	53.4	88	16	5.01	4.35	4.32	6.36	0.1	10	11	8	11
1940	54.0	92	15	4.41	3.01	4.57	5.64	0.3	11	11	8	11
1941	59.2	90	29	4.49	3.47	6.20	3.81	0.0	10	11	9	10
1942	59.1	94	20	3.83	3.07	4.56	3.87	0.0	9	14	8	8
1943	56.0	91	18	2.91	2.28	3.15	3.30	T.	9	13	10	7
Period	55.3	100	4	3.93	3.36	4.09	4.33	0.6	9	12	8	10

Climatological Data for April 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	54.2	.....	90	29	25	14†	14	2.63	−0.16	1.03	26-27	0	8	19	6	5	ne.	Curtis E. Grace
Bethany	Harrison	916	48	52.2	+ 0.7	81	24	25	14	50	2.85	−0.44	1.62	27	0	5	16	9	5	n.	A. S. Cumming
Brookfield	Linn	767	2	57.2	.....	88	30	23	15	2	3.10	.....	0.76	25	0	9	16	12	2	n.	E. W. Patrick
Brunswick	Chariton	652	62	53.4	− 0.8	85	29	27	15	64	2.07	−1.76	0.63	23	0	8	18	0	12	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	52.3	.....	82	29	27	14†	13	3.82	+1.06	1.62	27	T.	10	14	8	8	nw.	Lockmaster
Chillicothe	Livingston	779	34	52.7	+ 0.7	86	29	27	14†	37	2.81	−0.41	1.09	27	0	8	21	3	6	se.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	54.9	+ 1.4	84	29	26	14	34	2.10	−1.26	0.70	22	T.	11	13	9	8	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	55.0	+ 0.1	84	29	28	14	53	2.16	−1.61	0.66	21-22	T.	8	10	13	7	nw.	U. S. Weather Bureau
Conception	Nodaway	980	54	55.6	+ 3.4	87	29	25	14	59	1.58	−1.15	0.49	25	T.	6	7	19	4	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	55.8	+ 2.0	91	29	22	15	40	1.44	−1.64	0.40	25	0	7	6	17	7	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	12	55.3	+ 1.7	84	29	28	14†	12	1.76	−1.29	0.45	12	0	6	9	18	3	s.	John Dowell
Fayette	Howard	760	63	54.4	+ 0.2	83	29	24	15	60	2.18	−1.37	0.71	21-22	T.	7	19	3	8	nw.	Irvin E. Schnell
Fulton	Callaway	818	55	54.8	+ 0.2	83	8	25	14	51	2.58	−1.43	0.62	11-12	T.	12	16	5	9	n.	Frank E. Hillgartner
Grant City	Worth	1,134	39	52.8	+ 0.6	88	29	24	14†	51	1.36	−1.60	0.40	9†	0	5	18	6	6	ne.	Howard Rybolt
Hannibal	Marion	759	51	52.4	− 1.0	82	29	25	14	59	2.02	−1.17	0.42	25	T.	10	12	8	10	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	57.2	+ 2.4	90	29	31	14	54	1.75	−1.39	0.55	11-12	T.	10	9	13	8	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	58.0	.....	88	29	27	15	5	1.90	.....	0.66	11	0	10	4	12	14	nw.	University of Kansas City
Kidder	Caldwell	1,020	51	54.0	+ 1.8	87	29	25	14	55	2.35	−0.93	0.84	26-27	0	10	15	9	6	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	53.5	+ 1.6	84	29	25	14	61	3.89	−0.21	2.12	26-27	T.	9	15[a]	9[a]	5[a]	sw.	Howard Coons
Lawson	Ray	1,070	5	54.9	.....	88	29	27	14	5	2.63	.....	0.62	12-13	0	11	23	4	3	nw.	Frank G. Gstrein
Louisiana	Pike	469	49	51.0	− 3.0	84	29	26	15	62	1.88	−1.84	0.50	9	0	10	13	15	2	n.	Stark Bro's Nurseries
Macon	Macon	875	44	51.0	− 2.1	82	29	25	14	50	2.41	−1.25	0.51	27	T.	10	12	6	12	se.	John W. Atwell
Maryville	Nodaway	1,169	53	54.3	+ 3.5	88	29	24	14	49	1.51	−1.50	0.52	9	0	7	12	11	7	nw.	R. B. Montgomery
Memphis	Scotland	787	4	49.7	.....	81	29	24	15†	13	3.68	+0.48	1.18	27	T.	9	15	2	13	nw.	John W. Alexander
Mexico	Audrain	800	54	52.6	− 1.2	84	8	26	14	65	3.15	−0.60	0.95	23	T.	13	15	7	8	nw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	53.0	.....	84	29	25	14	6	2.70	.....	0.98	22-23	T.	11	10	12	8	s.	Moberly Water Dept.
New Florence	Montgomery	885	0	52.2	.....	81	29	26	3	1	2.39	.....	0.63	11-12	T.	12	3	14	13	nw	U. S. Weather Bureau
Oregon	Holt	1,048	87	56.0	+ 3.3	88	29	27	14	87	1.73	−1.56	0.45	27	0	7	18	9	3	ne.	Miss Mina Wright
St. Charles	St. Charles	520	55	53.8	− 1.8	86	29	28	14	65	2.22	−1.53	0.93	23	T.	10	16	4	10	nw.	Martin L. Comann
St. Joseph	Buchanan	957	33	55.4	+ 1.9	91	29	30	14	71	1.41	−1.78	0.52	11	0	10	15	10	5	nw	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	5	53.4	.....	83	29	28	14	5	2.40	.....	0.62	9-10	T.	11	11	16	3	nw.	Lockmaster
Shelbina	Shelby	779	2	53.6	.....	83	29	24	14†	50	1.75	−2.00	0.60	25	T.	10	21	4	5	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	53.5	+ 0.4	83	29	25	14	50	2.30	−1.28	0.77	25	T.	13	13	8	9	nw.	Samuel D. Gross
Tarkio	Atchison	916	40	54.3	+ 2.1	88	29	26	14	49	1.25	−1.99	0.45	11	0	3	13	11	6	sw.	Albert Volker
Trenton	Grundy	822	47	53.8	+ 1.1	87	29	27	14	48	1.33	−2.25	0.51	25	T. ¶	7	13	12	5	n.	W. H. Estes
Unionville	Putnam	1,062	50	51.2	+ 0.2	80	8†	22	14†	50	2.64	−1.06	1.22	25	0	7	12	14	4	ne.	C. D. Wilson
Warrenton	Warren	816	61	55.4	+ 0.6	83	29	27	3†	53	2.68	−1.36	0.52	12†	0	11	17	6	7	nw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	51.5	− 0.8	81	29	27	14†	71	3.88	+0.89	1.23	26-27	T.	10	10	13	7	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**53.8**	**+ 0.7**	**91**	**29**	**22**	**14†**	..	**2.28**	**−1.08**	**3.00**	**27**	**T.**	**9**	**14**	**9**	**7**	**nw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	39	....	.....	..	..	23	14	44	3.55	−1.14	1.56	11	0	9	16	10	4	sw.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	57.4	+ 1.3	84	29	27	15	51	2.64	−1.49	1.08	21-22	0	11	16	7	7	nw.	Rolla Brown
Bolivar	Polk	1,071	40	57.2	+ 0.9	82	10†	29	14	48	3.19	−0.98	1.62	11-12	0	11	14	12	4	sw.	Southwest Baptist College
Boonville	Cooper	650	5	53.2	.....	83	29	29	14	66	1.97	−1.90	0.57	23	0	7	17	9	4	e.	Boonville Water Dept.
Carthage	Jasper	962	9	60.2[a]	.....	85	10	32	14†	19	3.56	.....	1.44	11-12	0	9	9	20	1	nw.	Carthage W. and E. Plant
Clinton	Henry	786	50	56.8	+ 0.5	83	29	27	14	56	3.62	−0.55	1.12	22	0	9	15	13	2	e.	U. S. Weather Bureau
Eldon	Miller	934	48	54.2	− 1.2	83	29	27	15	44	2.79	−1.37	1.06	23	0	6	14	12	4	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	....	.....	84	26	..	..	2	1.80	.....	1.65	22	0	5	12	9	9	w.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	55.2	+ 1.3	85	29	27	14	68	2.43	−0.95	0.80	12	0	7	10	9	11	e.	John H. Patterson
Jefferson City	Cole	557	53	54.2	− 1.8	83	29	28	14†	61	2.99	−0.99	1.04	22-23	0	8	11	11	8	nw.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	60.8	+ 2.3	85	10	34	14†	38	4.11	−0.59	1.67	11	0	10	8	17	5	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	54.8	−- 0.6	84	26†	27	15	12	2.49	−0.49	0.61	12	0	8	17	6	7	nw.	W. S. Frame
Lamar	Barton	980	55	54.8	− 1.8	81	10	27	15	62	2.26	−2.26	1.05	12	0	6	17	4	9	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	55	53.0	− 2.5	83	26	26	14†	56	3.96	−0.39	1.43	12	0	9	11	6	13	nw	Mrs. Rosa E. Moutelius
Lexington	Lafayette	688	58	55.2	+ 0.6	86	29	29	14	59	2.19	−1.61	0.84	12	0	8	15	13	2	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	58.4	+ 1.9	85	10†	28	14	47	2.87	−1.66	0.82	11	0	11	14	12	4	sw.	Hubert A. Nieman
Marshall	Saline	779	56	56.8	+ 2.0	84	29	28	14	53	1.83	−2.06	0.76	21-22	0	5	12	14	4	nw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	57.3	+ 2.4	82	10	28	14	46	3.77	−0.75	1.60	11-12	0	9	10	19	1	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	58.0	+ 1.9	85	10	28	19	43	3.52	−0.93	1.20	11	0	11	9	12	9	se.	G. H. Boswell
Neosho	Newton	1,011	56	60.6	+ 2.3	86	11	31	20	60	5.27	+0.71	1.85	11	0	12	12	9	9	nw.	U. S. Fisheries Station
Nevada	Vernon	862	50	59.0	+ 3.3	85	29	28	14	51	2.37	−1.92	0.88	11-12	0	8	19	7	4	nw.	Henry Kraft
Ozark Beach	Taney	700	3	58.4	.....	88	10†	29	15	18	3.04	−1.43	1.34	12	0	9	11	13	6	sw.	V. Smith
Sedalia	Pettis	910	30	57.6	+ 2.3	83	29	27	14	32	4.05	+0.32	1.22	23	T. ¶	11	16	10	4	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	59.0[a]	+ 2.4	83	10†	30	14†	40	6.00	+1.94	2.42	11	0	11	13[a]	11[a]	5[a]	s.	Floyd E. Fawver
Seymour (near)	Webster	1,642	37	55.8	+ 0.1	80	10†	26	15	37	3.25	−1.07	1.06	11	T. ¶	13	14	7	9	se	A. L. Hailey
Springfield	Greene	1,301	55	55.8	+ 0.6	82	10	28	14	55	3.84	−0.02	1.61	11-12	0	12	11	7	12	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	56.6	.....	85	29	24	15	2	2.24	.....	0.98	12-13	0	8	13	17	0	sw.	H. F. Nelson
Warrensburg	Johnson	878	56	58.8	+ 2.7	84	29	28	14	63	2.74	−0.92	1.00	11-12	0	11	12	11	7	nw.	Central Teachers College
Warsaw	Benton	687	42	58.0	+ 1.3	84	26	28	14†	48	3.64	−0.82	0.81	22	0	10	8	17	5	e.	James R Riddle
Wasola	Ozark	1,294	2	59.0	.....	85	10	28	15	3	3.58	.....	1.22	11-12	0	10	15	10	5	n.	A. W. Pinckney
Division means	**and extremes**	.....	..	**57.0**	**+ 1.0**	**88**	**10†**	**23**	**14**	..	**3.15**	**−0.94**	**2.42**	**11**	**0**	**9**	**13**	**11**	**6**	**nw.**	
Southeastern Division																					
Advance	Stoddard	354	6	55.9	.....	83	26	27	15	6	3.86	.....	....	.....	0	11	7	15	8	n.	U. S. Weather Bureau
Arcadia	Iron	926	62	54.0	− 1.3	84	4†	25	15	65	3.59	−1.23	1.15	12	T.	9	13	8	9	w.	Arcadia College
Birch Tree (near)	Shannon	1,000	48	57.0[c]	− 0.1	84	4†	21	15	49	3.57	−1.19	1.89	11-12	0	9	16[a]	9[a]	4[a]	ue.	R. C. Moger
Bragg City	Pemiscot	261	1	59.1	.....	85	29	28	15	12	2.76	−1.24	0.84	22	0	10	16	7	7	s.	Paul B. Hutchens
Campbell	Dunklin	311	17	60.8	+ 2.1	88	26	28	15	17	3.71	−0.55	1.24	22	0	12	15	10	5	s.	Mrs. W. J. Christian
Caruthersville	Pemiscot	265	47	58.1	− 2.1	85	10†	29	15	51	3.67	−0.85	1.00	12	0	9	18	5	7	sw.	Victor T. Malloure
Crystal City	Jefferson	420	9	55.9	.....	85	4	27	15	9	2.69	−0.95	1.09	23	0	8	8	7	15	se.	Frank Magre
Doniphan	Ripley	344	39	60.8	+ 2.3	87	5†	25	15	39	3.27	−1.66	1.43	22	0	8	18	4	8	se.	Boyce Lackey
Farmington	St. Francois	896	32	56.2	− 0.7	83	4†	25	15	46	3.34	−1.18	0.95	22	0	8	9	6	15	w.	F. M. Karsch
Goodland	Iron	1,000	50	56.0	+ 1.0	84	29	18	15	50	3.45	−1.44	1.64	22	0	11	16	6	8	n.	F. M. Adams
Greenville	Wayne	381	34	58.4	+ 1.8	86	10	22	15	36	3.92	−0.78	2.23	22	0	10	11	14	5	sc.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	58.6	+ 1.5	86	9	26	15	53	2.32	−2.02	0.82	22	0	9	12	3	15	n.	John G. Putz
Koshkonong	Oregon	958	42	61.0[a]	+ 2.5	86	10	29	15	43	2.15	−2.87	0.90	23	0	6	19[a]	6[a]	4[a]	s.	R. E. Bratcher

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Climatological Data for April 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	6	56.9	.....	88	29	25	15	6	3.95	.....	1.75	22	0	9	17	6	7	n.	U. S. Forestry Service
Malden	Dunklin	292	0	59.2	.....	90	27	33	15	0	3.81	.....	1.40	11	0	13	10	8	12	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	58.5	+ 1.3	84	27	26	15	50	2.84	−1.65	1.10	22	0	8	13	7	10	s.	R. A. DeWitt
Poplar Bluff	Butler	339	38	59.0	− 0.5	87	26	28	15	39	3.79	− 0.72	1.68	12	0	6	13	12	5	sw.	B. R. Wheetley
Rolla	Phelps	1,202	43	55.1	− 0.8	82	29	27	14	59	2.82	−1.40	0.94	11-12	T.	10	7	14	9	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	106	55.2	− 0.9	83	29	30	14	106	1.87	−1.94	0.71	22-23	T	11	7	11	12	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	54.2	− 0.6	81	29	28	14	12	2.54	−1.08	0.96	22-23	T.	11	6	13	11	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	55.4	− 0.3	83	29	29	14	31	1.73	−2.13	0.38	25	T.	10	11	8	11	nw.	St. Louis University
Salem	Dent	1,173	39	54.0	− 2.0	82	4‡	26	15	42	4.11	−0.39	1.20	11	0	9	13	11	6	s.	E. E. Martin
Sikeston	Scott	318	36	56.8	− 1.3	87	29	30	15	46	3.86	−0.76	1.35	23	0	12	11	13	6	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	5	56.2[a]	.....	85	29	25	15	26	3.46	−0.90	0.94	23	0	10	16	2	12	se.	Robert Mueller
Wappapello Dam	Butler	475	4	58.4	.....	85	26	32	15	4	4.49	.....	1.30	23	0	9	18	6	6	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	56.8	.....	84	4	28	14	3	3.30	.....	1.20	23	T.	9	7	13	10	nw.	William J. Miller
West Plains	Howell	1,005	6	57.0	.....	85	10†	25	15	6	3.99	.....	1.51	11	T	12	11	10	9	nw.	U. S. Weather Bureau
Willow Springs	Howell	1,238	2	54.4	.....	84	10	24	15	36	3.23	−1.61	0.88	12	0	10	9	12	9	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	58.3	+ 0.2	84	29	33	15	72	3.24	−0.48	1.07	22-23	0	15	6	12	12	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**57.1**	**+ 0.1**	**90**	**27**	**18**	**15**	..	**3.30**	**−1.03**	**2.36**	**22**	**T.**	**10**	**12**	**9**	**9**	**s.**	
State means	**and extremes**	.....	..	**56.0**	**+ 0.7**	**91**	**29**	**18**	**15**	..	**2.91**	**−1.02**	**3.00**	**27**	**T.**	**9**	**13**	**10**	**7**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing: for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

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TEMPERATURE

The monthly mean for the State, 95 stations reporting, was 56.0°, or 0.7° warmer than normal. The highest monthly mean was 61.0° at Koshkonong, and the lowest monthly mean was 49.7° at Memphis. The highest recorded was 91° at Edgerton and St. Joseph on the 29th, and the lowest was 18° at Goodland on the 15th.

PRECIPITATION

The average for the State, 158 stations reporting, was 2.91 inches, or 1.02 inches less than normal. The greatest local monthly amount was 6.00 inches at Seligman, and the least local monthly amount was 1.06 inches at Kahoka. The greatest amount in any twenty-four hours was 3.00 inches at Edina on the 27th. The average number of days with 0.01 inch or more was 9.

Snowfall averaged only a Trace, or 0.6 inch less than normal. The greatest monthly amount was only a Trace, at several stations.

MISCELLANEOUS PHENOMENA

Dust.—Reported in extreme northwestern counties on 4th, 27th, 29th.

Earthquake.—Near St. Louis on 19th.

Floods.—In Grand River at Brunswick, 16th to 22d. In Mississippi River in the reach between Keokuk, Ia., and Louisiana, Mo., on the 6th, and from the 10th continuing into May; at Cairo, Ill., and below, continued from March to April 7th; also at Cairo, Ill., from the 26th continuing into May. In Missouri River at St. Joseph, 14th to 19th and at Waverly, 16th to 21st. In St. Francis River at Fisk, 26th and 27th.

Fogs.—Heavy, 1st, 10th, 21st, 22d, 23d, 24th, 26th, 27th.

Frosts.—Light, 1st, 2d, 3d, 14th, 15th, 17th, 18th, 19th, 20th, 21st; heavy, 1st, 15th, 17th, 19th, 20th, 21st; killing, 1st, 3d, 4th, 13th, 14th, 15th, 17th, 18th, 19th, 20th, 21st.

Hail.—Light, 1st at Anderson; 11th at Kansas City, Bolivar, Joplin, Warrensburg, Warsaw, Edgerton; 13th at Crocker; 21st at Jefferson City, Roby; 22d at Clinton; 23d, at Salem, Sedalia, Hermann; 26th, at Springfield, Amity, Oregon, Steffenville; 27th at Altona, Fisk. Moderate, 22d at Appleton City. Heavy, March 31st at Neosho, Seligman; April 9th in southeastern Jefferson and northeastern Ste. Genevieve Counties, and at Morehouse; 22d at Wasola; 29th at Kansas City. (See special hailstorm notes.)

Halos.—Solar, 7th, 11th, 17th, 18th, 20th, 21st, 25th, 27th, 30th; lunar, 17th, 18th, 27th.

Sleet.—3d, 13th, 19th.

Thunderstorms.—Local, 1st, 3d, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 12th, 13th, 16th, 21st, 22d, 23d, 24th, 25th, 29th, 30th; more or less general, 11th, 26th, 27th.

Windstorms.—On the 4th at Oregon with damage to roofs estimated at $25. On the 11th a windstorm, reported in press reports as a tornado, occurred in the Tri-State area of Missouri, Kansas, and Oklahoma. One child was killed and four persons injured, all of the same family, near Neosho, Mo., Newton County, when their farm home was demolished. Roofs, trees, and power lines were also damaged in Missouri by this storm which came from the southwest and moved northeastward. Amount of damage not available.

HAILSTORMS

On March 31st a heavy hailstorm occurred at Seligman, Barry County, between 9 and 10 p. m., resulting in considerable damage to property and nominal damage to crops. The storm came from the northwest with path four to five miles wide. Stones were from one-half to one inch in size. Several roofs were badly damaged and repairs for the school house roof amounted to $170. Total amount of damage not reported. (This storm occurred after the regular observation on March 31st and its occurrence was not known in time to include it in the March issue of Climatological Data.)

On April 9th heavy hail fell in the southeastern section of Jefferson County and the northeastern section of Ste. Genevieve County between 8:30 and 9 p. m., over a path eight miles wide. The storm moved from northwest to southeast. Stones were the size of a dime to a nickel and practically covered the ground. Early gardens, red clover, and cloth-top automobiles were damaged. Crop loss was estimated at $2,000. Towns reporting hail were Plattin, Danby, Rush Tower, Brickeys, and Bloomsdale.

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Daily Precipitation for April 1943

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand									.35	.06	.38		.14									.05			.62	.45	.58					2.63
Amity[2]	do				T.			T.		.15	T.	.06	.36	.27									.29	T.		.41	T.	.68			T.		2.22
Bethany	do									.13		.41											.05			.64		1.62					2.85
Bowling Green[2]	Mississippi									*	.24		.19									.38		*	.51			.26	.16				1.74
Brookfield	Grand						T.			.12		*	.34	.18									.34			.76	.12	.62				.62	3.10
Brunswick[2]	do	T.							T.	T.			.48	.17							T.	.02	.13	.63		.42	.10	.07				.07	2.07
Canton, Lock No. 20[2]	Mississippi							.21	T.	.32	.12		.17	T.	T.					T.	.02		T	.31		.23	.39	1.62				.43	3.82
Centralia[2]	do									.16			.41	.25									.13	.47		.38		.44					2.24
Chillicothe[2] (A)	Grand									.07			.29	.03									.51	.35		.38	.09	1.09			T.		2.81
Clifton Hill	Charlton						.01	.06		.25		.15	.13	.19							T.	.01	.70			.47		.02			.11		2.10
Columbia [1]†	Missouri						T.			.22		.44	.03	.23	T.		T.		T.		T.	.11	.56	T.		.50	.07	T.					2.16
Conception	do									.27		.40		.14									T.			.49	.12	.16					1.58
Edgerton	do						T.			.14	.14	.30		.15								T.				.40		.08			.23		1.44
Edina[2]	Mississippi							T.		.15	.09		.14	.05	T.									.10		.53	.35	3.00			.15		4.56
Elsberry	do												.45	.14							.10		.38	.34		.35							1.76
Farber[2]	do	T.						.02		.08	T.	*	.35	.22	T.							.14	T.	.10			.25	.20					1.36
Fayette	Missouri									.23		.11	.35	.32							T.	.04	.67			.46	T.				T.		2.18
Fulton	do						T.			.31		.17	.45	.21	T.		.01					.02	.02	.61	.03		.61	.13	.01					2.58
Gallatin[2]	Grand									.26		T.	.35	.13									.25			.37	.13	.25					1.74
Grant City	do									.40		.18														.38	.37	.03					1.36
Hannibal[3] (A)	Mississippi						T.	.07		.30		.31	.05	.06						.05			.28			.42		.36		.12			2.02
Hermann[2]	Missouri							.02		.45			.77	.15							.07		.34	.85			.57						3.22
Kahoka[2]	Mississippi									.44															.20	*	.14			*	.28		1.06
Kansas City Airport [1]†	Missouri		T.	T.			T.	T.	.05	.05		.54	.04	.03			T.					.12	.18		T.	.40	.04			.30			1.75
Kansas City University	do						.01			.11		.66	.19	.05								.10	.30			.41	.02	T.			.05		1.90
Kidder[2]	Grand									.17	.02	.05	.32	.25									.32			.36	.20	.64			.02		2.35
King City	Missouri									.22		.40		.21									.12			.40	.35	.03					1.73
Kirksville	Mississippi						T.			.20		.08	.02							T.			.20	.09		1.16	.12	2.00			.02		3.89
LaBelle[2]	do							.08		.07	.17		.30	.03	T.					T.				.09		.52	.31	1.44					3.01
Lawson	Missouri							.08		.18	.28	.44	.44	.18								.02	.23			.39	.10				.29		2.63
Linneus[2]	Grand									.11			.52	.14	T.					T.			.72	.12		.42	.30	.66			T.		2.99
Lonisinna[2] (A)	Mississippi									.50	.05		05	.08							.30		.05	.40			.20	.20			.05		1.88
Lucerne[2]	Grand									.01	.12		.32											.19		.87	.14	.91					2.56
Macon[2]	Charlton							T.		.30	.08		.26	.20							T.		.11	.14		.32	.30	.51			.19		2.41
Madison[2]	Mississippi								.05	.27			.51	.23									.12	.91			.29	06					2.44
Maryville	Missouri									.52	.10	.30		.12								T.				.36	.09	.02					1.51
Memphis[2]	Mississippi							.24		*	.55		.19		T.	T.					T.					.19	1.01	.24	1.13			.08		3.68
Mexico[2]	do							.05		.30	.04		.55	.28							.05		.10	.95	.01	.17	.48	.15	.02					3.15
Milan[2]	Grand							.03		.05	.03		.12	.06									.10	.27		.60	.21	.84			.03		2.34
Moberly[2]	Mississippi							.23		.22		.18	.10	.20									.25	.73		*	.47	.02			.30		2.70
Monroe City	do						.03	.04		.17			.31	.14							.02		.27	.05		.31	.05				.08		1.47
New Florence[4]†	Missouri				T.		.05			.34		.57	.06	.20	T.		.02			.02	.01	.04	.61			.42	.05	T.					2.39
Oregon	do									.30	.06	.37		.20								T.	.15			.20	T.	.45					1.73
Palmyra[2]	Mississippi							.01	.02	*	.10		.20		T.						.05		.08	.10		.61	.02	.35			.14		1.68
Paris[2]	do								T.	.09	.05		.28	.27							.02		.13	.78		.03	.20	.02	T.		.12		1.99
Perry	do									.15			.41	.18							.10		.57	.15		.15	.30				.03		2.04
Philadelphia[2]	do						.01	.02		.12		.24									.05		.08	.10		.61		.48			.02		1.73
St. Charles[2]	Missouri							.10	.08	.03		.50		.13	T.	T.		.05		T.	.10		.03	.93			.27						2.22
St. Joseph[1]†	do									.17		.52	.10	.02								.02	.01		.01	.20	.34	T.		.02			1.41
Saverton, Lock No. 22[2]	Mississippi	T.			T.			T.		.32	.30		.36	.06	T.	T.				T.	.11		.03	.35		.43	.28	.12	T.		.04		2.40
Shelbina	do						.06	.01				.30	.24	.21	T.					.01			.18	.02	T.	.60				T.	.12		1.75
Shelbyville[2]	do												.55	.15										.20			.65	.45		.18			2.18
Steffenville	do						.02	.03		.16		.15	.33	.07	T.						.01		.14	.03		.77	.08	.22			.29		2.30
Tarkio	Missouri									.44		.45														.36							1.25
Trenton	Grand									.19		.19		.14						T.		T	.19	.04		.51		.07					1.33
Troy[2]	Mississippi	T.						.01		.25			.40	.18						T.	.08	T.		.54			.24						1.70
Unionville[2]	Charlton									T.	.05		.32											.09		1.22	.33	.62		.01			2.64
Warrenton	Mississippi						.07			.45	T.	.31	.52	.24			.03				.04	.07	.37			.52	.06						2.68
Keokuk, Iowa[3]	do				T.		.15			.71		.10	T.	T.	T.		T.		T.	T.	T.		.37	.02	.02	.94	.63	.60		.34			3.88
Southwestern Division																																	
Altona[2]	Osage				.02					.22			.60	.09				T.					.98	.28		1.03		.60					3.82
Anderson (near)	Neosho	.60						T.	.07			1.56	.11	.03			*	.18				T	.90				.10				T.		3.55
Appleton City	Osage			.05						.24		*	.50	.14			.03					.80	.28	.30		.25		.05					2.64
Bolivar	do			.34			T	T.		.22		.92	.70	.18			.03					.25	.10	.26		.15	T.	.04					3.19
Boonville[2] (A)	Missouri									.04			.40	.18									.35	.57		.25	.18						1.97
Buffalo[2]	Osage												1.51	.22			.03						.30	.26			.17						2.49
Butler[2]	do									.28		.33	.53	.09									.55	.30		.32	T.	.09					2.49
Caplinger Mills[2]	do								T.	.27			1 30	.25				.03					.45	.35			.25	T.					2.90
Carthage	Neosho									.54		1.12	.32	.36			.05						.33	.42			.13	.29					3.56
Clinton[4]	Osage								.06	.25		.67	.02	.09			T.						.38	1.12			.90	T.	.13					3.62
Concordia	Missouri							.02	T.	.11		.29	.35	.10										.35			.39				T.			1.61
Crocker	Osage									.29		.82	.16	.26			T				T.		.09	.95			.75			.06				3.38
Eldon[2]	Missouri									.18			.60	.17										.19	1.06			.59						2.79
Eldorado Springs	Osage							T.		.27		.24	.22	.13			.03						.23	.66	.80		.16			T				2.74
Fort Leonard Wood	Gasconade									.03		.06	.04	.02										1 65										1.80
Galena[2]	White									.50			2.19						36					.44	.09			.03	.24					3.85
Hailey	do	.29	T.				.09	.42				1.89	.11	.07										1.06				T.			T.			3.93
Harrisonville[2]	Osage									.16			.80	.11										.52	.02		.41		.41					2.43
Jefferson City[2]	Missouri									.16			.77	.13										.13	.91		.05	.80	.01					2.99
Joplin[1]	Neosho							.04	.72	T.		1.67	.01				.07						.10	.68			.08	.69			.05			4.11
Lakeside[2]	Osage	T.			.01			T.		.29			.61	.15				T.						.40	.53		T.	.45	.05					2.49
Lamar[2]	Neosho									.45			1.05	.10				T.						.30	.08			.28	T.					2.26
Lebanon[2]	Osage			T.	.05			T.	T.	.13			1.43	.33										.49	.85			.59	.06	.03				3.96
Lexington[2]	Missouri				.02				.05	.12			.84	.12										.63			.27	.14						2.19
Lockwood	Osage			T.				T.		.52		.82	.23	.20			.05					.15	.37			.11	.09	.10			.23		2.87
Manes[2]	Gasconade																																
Marshall	Missouri			T				T.		T.			.10		.65			T.					.38	.38			.32	T.						1.83
Mountain Grove	White			T.	T.		.10			1.05		1.15	.45	.12			.20						.20	.30			T.	.20	T.					3.77
Mount Vernon	Neosho	.15		T.				T.	*	.40		1.20	.35	T.			.10						.35	.35			.25	.25				.12		3.52
Neosho	do	.73						.20		.51		1.85	.29	.04			.51						.10	.56			.04	.20				.24		5.27
Nevada	Osage						T.	T.		.43		.45	.43	.10			.04						.32	.24			.36					T.		2.37
Osceola[2]	do			.16						.33			.51	.13										.80			.25	*	.10					2.28
Ozark Beach[2]	White					.03				.48			1.34	.05				.29						.08	.28			.02	.47					3.04
Pleasant Hill[2]	Osage	T.		T.	T.			T.		.19			1.53	.12				T.						.51			.55	.23	.04			T.		3.17
Roby	Gasconade				T.					.45	T.	.87	.40	.23			.01					.10	1.84			.10	.52	.04					4.59
St. Thomas (near)[2]	Osage												1.14	.17										.41	.83			.61						3.19
Sedalia	Missouri			.03						.12		.30	.36	.12								.14	.75	1.22		.80		.18			.03		4.05
Seligman	Neosho	1.38		T.					.34	.29		2.42	.87	.12			.18					.02	.28			*	.10				T.		6.00
Seymour (near)	White	.05		.02						.27		1.06	.43	.21			.15					.34	.13	.22		.05	.18				.14		3.25
Springfield [1]†	do			.10				T.	.18	.10		1.60	.01	.18			.09					.25	.39			.06	.81	T.			.07		3.84

Continued on next page

Daily Precipitation for April 1943—Continued from preceding page

Stations	Drainage basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																	
Stover[3]	Missouri									.02		.75	.17	.10								.18	1.41			1.21		.08					3.92
Sweet Springs	do			T.			T.			.05		.24	.15	.53								.10	.41			.44	.02						2.24
Warrensburg	do			.03			.10			.17		.36	.64	.09			T.					.26	.31	.10		.62	T.	.03					2.74
Warsaw (A)	Osage		T.	.01				T.		.33		.67	.50	.12			T.					.28	.81	.52		.38		.02					3.64
Wasola	White			.05						.29		1.00	.22	.06			.20					.34	*	1.13			.29						3.58
Waverly[3]	Missouri									.05			.55	.15									.21	.20		.32	.11				.17		1.76
Southeastern Division																																	
Advance[4]	St. Francis				T.					.37		.91	.03	.08			.24			.05		.09	1.72	.04			.31			.02			3.86
Alton (near)	Black					.32	.14			.48		.70	.38				.13						.88	.09			.25						3.37
Annapolis	St. Francis									.28		.55	.46		.11		.05						2.36	.26									4.07
Arcadia[3]	do							.03		.29			1.15	.30	T.			.07				T.	.60	.84			.25	.06	T				3.59
Belleview	Meramec									.07		.10	.86	.26									1.00	.28		.30							2.87
Birch Tree (near)	Black				.09	.04				.54		1.48	.41				.20					.13	.59				.09						3.57
Bragg City	St. Francis				.29					T.		*	.78	.01			.27	.08	.43				.84	.05				.01			T.		2.76
Campbell	do	.28				.45	T.			.36		.13	.52	.04			.13	.18	.28				1.24	.08				.02					3.71
Cape Girardeau[3]	Mississippi							.04		.31	.04		.60	.15	T.			.33			.11	T.	.04	.82	.01		.01	.12	T				2.58
Caruthersville[3]	do	.10				.30				.03			1.00		T.			.50	.77	.07			.57	.33					T.	T.			3.67
Centerville[3]	Black									.33			1.06	.17				.16				.01	1.14	1.37			.01	.18					4.43
Crystal City	Mississippi						T.	.06				*	.51									.23	.43	1.09		.18	.19						2.69
Deering[3]	St. Francis					.38				.03			.68					.38	.51	.02			.57	.28				.07	T.				2.92
Dexter[3]	do					.08		T.		.20			1.14	.04	.13			.30	.04				.72	1.03				.04	.09				3.81
Doniphan	Black					.28	.05		.18			.48	.65	.10				.10					1.43										3.27
Farmington	St. Francis									.36		.40	.51	.45			T.					.17		.95	.37		.13	T.					3.34
Fisk[3]	do					1.39							1.59										.64	.75				.03					4.40
Fredericktown[3]	do							T.		.40			.95	.16				.02				T.	.15	1.33			.22						3.23
Gerald[3]	Meramec									.80			.78	.18								T.	.35	.38									2.49
Goodland	Black								.14			*	.61	.30				.08				.04	1.64	.19		.26	*	.19					3.45
Greenville	St. Francis									.38		.23	.34	.17				.24	.02				2.23	.22				.05			.04		3.92
Jackson	Mississippi						.03			.25	.06	.02	.69	.18				.22					.82			.05							2.32
Jerome[3]	Gasconade									.10	.06		.90	.20									.65	.60			.50	.15					3.16
Koshkonong	Black	T.				.20				.50		.30	.05	T.				.20						.90				T.					2.15
Leeper[3]	do					.04	.30						.58	.15				.18					.96	1.34				.08			.03		3.66
Licking (near)	Gasconade									.45		.57	.65	.25			.03	T.				.03	1.75	.07		.15							3.95
Malden	Mississippi	.22			.34	T.	T.			.18		1.40	T.	.09			.26	.13	.07			.31	.64	.10			T.	.04			.03		3.81
Marble Hill	do									.26		.20	.32	.40			*	.05					1.10	.51									2.84
Meramec Park[3]	Meramec							.02	.18	.24			.76	.28				T.				.02	T.	.42	.93			.27	.01	T.				3.13
Morehouse	Mississippi									.18		.05	1.07	.11			T.	.34				.04		1.76	.45				.16					4.16
New Madrid[3]	do	.11				.07		T.		T.	.30		.58		.12			.26	.41	.01			.57	.76	.10				T	.01			3.30
Owensville[3]	Gasconade									.59			.60	.16								.13	.30	.72				*	.68				3.18
Pacific[3]	Meramec							.03	T.	.22			.59	.13	T.			T.				.18		1.27			.35						2.90
Parma[3]	St. Francis	.12				.46				.09			.72	.05				.30					.49	.94					.03				3.20
Perryville	Mississippi				.06		T.	T.		.43		*	1.09	.35	T.	T.	.04				.29			1.84		.06							4.16
Poplar Bluff[3] (A)	Black					.26				.21			1.68	T.	T.			.22					.68	.74				T.					3.79
Richwoods[3]	Meramec									.36			T.	.89									.50	1.00		T.	.36						3.11
Rolla[4]	do			T.			T	T.	T.	.25	T.	.89	.10	.22			T.			.04		.24	.85			.17	.05	.01					2.82
St. Louis:																																	
City Office[1†]	Mississippi				T.		.03	.01		.08		.34	.04	.10	T.		T.			.14	.06	T.	.33	.38		.36	T.	T.					1.87
Airport[4‡]	Missouri				T.		.04	T.		.06		.45	.05	.18	T.		.06			.27	.07	T.	.35	.61		.40	T.	T.					2.54
St. Louis Univ.[3†]	Mississippi						.01	T.		.06		.31	.06	.08	T.		T.			.10	.07	T.	.31	.35		.38							1.73
Washington Univ.[2†]	do							.03	.01	.08			.50	.13								.27	.01	1.08			.38						2.49
Salem	Meramec							.05	.53			1.20	.30					T.					.69	.76			.31	.24	.03				4.11
Sikeston[3]	Mississippi	.02				.05		T.		.01	T.	T.	.96	.09	T.			.40	.05		.07		.50	1.35				.30	.06				3.86
Union	Meramec						.06			.34		.44	.31	.16							.05		.69	.94		.42	T.	.05					3.46
Valley Park[3]	do							T.	T.	.11	T.		.52	.13	T.						.30	T.	.04	.97			.28	T.					2.35
Van Buren	Black									.19		.70					.10						1.50				.06						2.55
Wappapello Dam[3]	St. Francis					.01				.40			1.17	.08	T.			.24					1.00	1.30				.24			.05		4.49
Weingarten	Mississippi						.01			.02		.01	.60	.30							.20		.95	1.20		.01							3.30
West Plains[4]	Black	.01	T.	T.	.08	T	T.		.05	.85		1.51	T.	.08			.15					.51	.36	.01		T.	.32					3.99
Williamsville[3]	do					.02				.18			.67	.11				.18					1.02	1.06				.07			.06		3.31
Willow Sprgs. (near)[2]	White	.05			T.	.12		.05	T.	.48			.88	.13	T.			.30					.52	.28			T.	.42	T.				3.23
Zalma (near)	Mississippi									.30		.13	.79	.15			.03	.24			.03		2.00	.29		T.		.20			.02		4.18
Cairo, Ill [1†]	do	.06			T.		.01			.21		.95	.04	.10			.35		.03	.02	.05	.01	.84	.26		T.	T.	.23			.08		3.24

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for April 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.146	.222	.236	.252	.260	.235	.218	.066	.214	.206	.261	.077	.253	.190	.134	.285	.117	.179	.242	.122	.183	.082	.017	.276	.271	.013	.157	.264	.257	.390	....	5.819
	Mean temperature	54	48	51	58	51	49	60	65	64	64	58	56	42	39	48	50	51	52	40	50	48	50	62	60	52	68	67	60	67	60	..	54.8
	Wind movement	62	29	58	105	78	24	107	31	36	36	64	71	106	124	61	107	42	28	80	108	51	42	40	52	35	19	40	41	43	104	..	1,824
St. Louis (Washington University)	Evaporation	.215	.230	.207	.175	.246	.215	.121	.070	.163	.152	.126	.056	.170	.094	.107	.208	.095	.159	.220	.030	.046	.116	.006	.162	.178	.017	.114	.243	.199	.232	....	4.372
	Mean temperature	60	48	44	57	52	50	62	66	69	59	51	54	40	37	46	56	48	52	40	46	50	52	59	59	59	66	70	57	67	60	..	54.6
	Wind movement	72	73	93	83	95	70	75	43	45	63	92	61	81	77	56	91	64	75	121	85	51	45	50	85	46	38	55	67	58	75	..	2,085

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 21)

On April 22d heavy hail occurred at Wasola, Ozark County, from 10:30 to 11:45 p. m., over a path seven miles wide and fourteen miles long. Largest stones were about one and one-fourth inches in diameter and the ground was covered to a depth of four inches. Damage was severe; young fruit trees and gardens were stripped and every composition roof in the area knocked full of holes. Crop damage estimated at $3,000; no property damage available.

Daily Temperatures for April 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	76	60	62	72	65	61	79	82	76	69	65	67	42	44	70	68	64	68	49	63	68	56	74	80	61	70	70	69	85	63	..	66.6
	Minimum	35	36	35	36	43	41	41	51	52	54	48	43	35	28	27	29	34	34	31	31	35	36	48	43	43	47	49	43	43	51	..	40.1
Chillicothe §§	Maximum	75	57	63	69	65	78	79	82	72	69	61	66	41	44	72	61	63	67	49	64	67	56	74	81	66	70	68	68	86	61	..	66.5
	Minimum	40	37	34	35	38	38	43	50	50	53	47	40	32	27	27	33	31	33	30	30	35	36	45	39	44	44	46	42	41	48	..	38.9
Columbia	Maximum	76	57	61	74	63	58	77	82	77	69	60	65	51	44	69	69	62	66	47	62	65	56	73	78	64	73	74	68	84	69	..	66.4
	Miuimum	36	40	35	50	41	44	50	54	59	52	49	44	31	28	30	42	35	38	31	37	36	49	48	42	53	52	51	44	56	49	..	43.5
Fayette	Maximum	75	64	60	72	63	59	80	81	79	72	61	65	64	44	69	67	63	65	64	61	64	55	71	77	73	71	70	67	83	76	..	67.8
	Minimum	33	38	33	47	33	38	45	48	55	50	46	41	31	26	24	54	32	36	28	32	31	47	46	39	52	46	60	40	54	49	..	41.1
Grant City	Maximum	70	55	61	67	61	63	75	80	69	65	53	65	52	45	74	68	60	69	52	64	65	63	73	83	75	63	64	66	88	72	..	66.0
	Miuimum	38	34	33	45	32	42	39	49	54	47	43	38	29	24	24	45	29	35	28	31	33	49	40	43	51	44	50	39	53	45	..	39.5
Hannibal	Maximum	74	50	55	72	60	57	74	80	75	62	53	60	48	43	64	67	60	63	46	60	70	53	70	77	64	70	73	66	82	64	..	68.7
	Minimum	37	35	29	45	39	42	45	47	57	47	40	40	30	25	29	40	35	37	30	35	39	48	48	47	50	47	52	42	52	45	..	41.1
Kansas City Airport	Maximum	75	58	65	72	64	78	79	82	74	72	72	70	47	47	75	67	61	70	51	65	56	71	75	82	72	77	70	69	90	62	..	68.9
	Minimum	42	45	39	53	39	48	63	55	57	50	48	45	34	31	32	43	36	39	33	37	41	51	48	46	52	50	50	46	62	51	..	45.5
Kirksville	Maximum	73	61	60	68	61	60	79	81	79	67	60	61	56	42	69	68	62	66	49	63	74	58	74	82	76	67	67	66	84	80	..	67.1
	Minimum	36	31	28	37	37	37	44	46	54	45	40	38	29	25	27	54	32	33	30	33	36	48	45	44	51	42	57	40	51	48	..	39.9
Lawson	Maximum	74	62	65	70	61	65	78	81	74	72	71	62	48	45	72	67	64	68	54	58	55	65	74	78	66	73	72	69	88	74	..	67.5
	Minimum	40	40	39	34	40	42	56	52	54	50	48	40	32	27	29	56	30	36	29	29	39	47	44	45	52	45	50	42	54	47	..	42.3
Louisiana §§	Maximum	74	51	55	74	62	58	76	81	77	72	56	60	37	43	65	60	68	64	46	60	68	53	70	78	58	72	75	65	84	62	..	64.1
	Minimum	30	31	30	30	42	34	43	44	44	53	43	43	36	28	26	31	29	34	32	32	28	29	50	35	37	48	54	45	45	53	..	38.0
Macon §§	Maximum	73	55	58	70	62	58	77	80	73	63	58	63	40	43	63	66	61	67	49	63	67	54	74	78	62	70	67	65	82	62	..	64.1
	Minimum	41	33	30	30	38	38	41	46	41	52	42	39	29	25	27	30	32	33	29	32	33	35	46	45	51	43	47	40	41	49	..	37.9
Maryville	Maximum	73	65	62	67	64	64	76	79	75	65	62	65	60	44	75	74	59	66	53	62	61	66	75	83	80	64	64	65	88	80	..	67.9
	Minimum	39	36	33	48	36	43	48	47	56	48	43	36	30	24	25	50	30	40	27	29	39	47	42	45	50	45	51	37	53	44	..	40.7
Mexico §§	Maximum	77	57	60	75	64	59	77	84	80	65	59	61	43	45	68	70	62	67	46	62	70	70	72	80	59	72	75	67	83	65	..	66.6
	Minimum	33	38	29	30	42	39	42	49	54	51	43	38	33	26	28	32	32	34	28	30	31	38	42	39	48	48	53	40	42	50	..	38.7
Moberly §§	Maximum	76	58	60	72	63	58	78	82	76	67	61	65	42	43	68	70	62	67	49	64	67	55	73	79	61	73	73	67	84	63	..	65.9
	Minimum	33	37	31	33	39	39	43	49	56	53	45	41	30	25	28	33	32	34	29	32	36	46	47	44	54	42	51	42	47	50	..	40.0
Oregon	Maximum	74	58	78	67	64	66	78	80	76	70	65	68	60	48	73	77	62	68	54	65	63	72	76	85	76	69	67	68	88	76	..	69.7
	Minimum	41	38	35	51	38	45	54	48	54	51	45	39	30	27	30	52	28	40	29	31	43	47	42	50	50	44	52	39	55	45	..	42.4
St. Charles §§	Maximum	78	59	64	81	65	58	75	83	83	60	62	63	41	45	66	68	60	60	45	59	68	53	70	63	60	78	83	67	86	66	..	65.6
	Minimum	39	39	31	32	42	43	41	49	59	52	44	44	37	28	31	37	35	35	35	35	33	44	51	42	42	51	56	47	51	55	..	42.0
St. Joseph	Maximum	73	58	64	69	64	65	80	80	67	70	58	67	44	47	77	60	62	68	51	63	55	70	75	83	69	68	66	68	91	63	..	66.7
	Minimum	44	42	37	51	42	46	57	53	56	53	45	41	32	30	33	40	33	36	33	36	45	49	45	52	53	47	47	43	58	48	..	44.2
Trenton	Maximum	73	63	61	68	69	56	77	79	78	67	60	65	56	46	72	65	60	67	51	64	62	64	75	80	75	67	67	65	87	78	..	67.2
	Minimum	37	37	33	48	36	38	40	48	55	49	45	40	31	27	28	53	30	37	29	30	32	29	44	40	52	45	55	40	52	39	..	40.3
Uniouville §§	Maximum	75	58	65	68	67	68	78	80	74	65	62	68	43	47	67	68	61	68	53	64	70	60	75	80	68	70	67	68	80	64	..	66.7
	Minimum	37	30	30	30	35	35	33	45	45	47	40	37	28	22	22	27	31	31	27	30	32	36	41	43	44	44	44	38	38	47	..	35.6
Warrenton	Maximum	75	65	58	78	62	57	73	81	78	71	60	63	58	43	66	69	67	63	53	59	69	58	69	76	68	76	76	66	83	76	..	67.2
	Minimum	49	37	27	47	41	39	48	50	56	55	43	43	32	27	29	55	32	36	30	36	42	42	51	47	62	52	65	53	52	36	..	43.5
Keokuk, Iowa	Maximum	71	49	54	69	59	57	72	78	67	61	53	57	45	39	64	63	58	61	49	60	69	53	71	78	65	69	65	63	81	63	..	62.1
	Minimum	39	29	29	44	34	40	46	48	56	44	38	41	30	27	27	41	37	35	32	38	42	50	47	52	51	46	48	42	50	45	..	40.9
Southwestern Division																																	
Clinton	Maximum	79	60	61	79	67	70	77	81	78	81	69	68	54	49	69	71	63	70	54	66	61	72	74	80	66	82	75	71	83	68	..	69.9
	Miuimum	36	41	39	48	37	41	56	52	54	53	53	44	32	27	29	43	36	38	30	32	36	48	48	48	54	54	51	44	54	49	..	43.6
Eldou §§	Maximum	76	61	63	78	69	60	70	82	79	72	63	65	44	45	69	69	61	66	47	62	66	59	71	79	60	81	76	68	83	65	..	67.0
	Minimum	37	37	39	38	39	39	46	51	52	55	52	45	39	28	27	29	34	35	30	30	35	37	49	45	45	52	54	44	43	53	..	41.3
Harrisonville §§	Maximum	77	56	61	73	63	74	79	80	75	77	70	68	48	48	72	71	60	70	55	65	55	75	75	78	65	80	73	66	85	66	..	68.7
	Miuimum	38	39	37	37	39	43	48	54	54	52	54	42	37	27	28	32	31	32	29	31	36	46	44	47	54	49	54	40	49	48	..	41.7
Jefferson City §§	Maximum	77	61	62	78	65	59	73	82	79	71	60	64	41	46	69	70	70	67	46	63	67	55	73	78	59	78	76	69	83	66	..	66.9
	Minimum	41	40	36	37	41	40	42	49	52	53	49	45	36	28	28	30	35	36	31	32	38	40	50	46	48	49	55	43	46	53	..	41.6
Joplin	Maximum	76	65	69	83	66	80	71	78	78	85	70	67	61	48	69	64	65	67	54	62	59	71	72	81	76	83	77	74	83	77	..	71.0
	Minimum	47	48	48	55	48	53	61	58	57	62	52	48	42	34	39	56	42	44	34	37	44	56	51	52	60	58	62	50	63	55	..	50.5
Lamar §§	Maximum	72	63	60	80	65	79	68	77	74	81	65	65	50	48	65	62	61	66	54	60	53	65	70	76	69	78	75	68	80	65	..	67.2
	Minimum	36	35	43	43	43	42	51	56	54	51	50	46	42	28	27	35	38	38	31	31	31	40	47	43	43	53	54	45	45	55	..	42.5
Lebanon §§	Maximum	74	61	58	78	65	62	70	78	79	80	63	63	45	45	67	61	60	64	46	60	60	62	68	77	62	83	77	73	81	65	..	66.2
	Minimum	36	36	38	38	36	35	46	49	53	49	50	42	39	26	26	29	34	34	29	29	33	37	46	40	45	50	51	42	42	53	..	39.8
Lexington §§	Maximum	77	61	61	74	66	65	81	82	73	73	67	69	45	47	72	71	64	70	52	65	58	64	76	80	58	76	72	71	86	66	..	68.1
	Minimum	44	43	36	39	42	43	45	55	55	52	52	42	34	29	30	35	34	36	31	33	36	43	47	48	51	49	50	43	45	50	..	42.4
Marshall	Maximum	76	73	59	71	64	63	79	81	80	73	69	65	45	43	68	69	65	66	65	62	64	57	72	79	79	73	73	69	84	83	..	69.6
	Minimum	41	41	37	40	40	42	49	53	56	52	50	43	34	28	30	55	34	38	30	34	37	49	46	47	54	48	62	42	55	50	..	43.9
Mountain Grove	Maximum	74	73	62	81	76	64	75	76	80	82	73	62	59	44	66	66	64	66	60	59	62	57	70	75	78	81	78	75	81	79	..	69.9
	Minimum	43	42	38	44	43	41	45	55	54	57	50	43	37	28	29	50	38	40	31	35	39	45	50	45	52	54	62	46	52	62	..	44.7
Neosho	Maximum	76	74	67	74	74	80	82	84	81	84	86	66	65	51	70	70	62	66	65	60	62	70	71	82	82	84	81	76	83	83	..	73.7
	Minimum	36	45	47	53	48	45	58	52	56	51	59	49	45	33	32	57	42	34	34	31	34	53	52	41	58	54	63	48	58	54	..	47.4
Nevada	Maximum	79	78	64	82	70	80	77	80	76	84	81	69	69	50	70	70	69	70	67	65	57	73	75	81	72	81	77	74	85	81	..	73.5
	Minimum	33	41	40	48	38	45	55	54	52	51	56	44	39	28	30	53	34	38	30	32	38	49	45	45	45	53	62	43	59	51	..	44.4
Sedalia	Maximum	77	75	62	70	73	64	76	81	80	75	75	65	63	48	68	70	68	67	65	64	65	65	72	79	75	78	78	70	83	82	..	71.1
	Minimum	38	41	38	40	38	43	52	55	55	50	52	43	35	27	30	55	33	35	28	32	39	48	48	46	56	54	63	41	57	50	..	41.1
Springfield	Maximum	72	63	53	79	65	67	68	76	78	82	62	62	55	44	66	61	60	64	49	59	58	64	68	75	75	81	76	71	80	68	..	66.7
	Minimum	41	42	42	45	43	49	52	56	56	55	50	45	35	28	30	46	39	37	30	33	36	48	46	44	54	56	54	44	57	51	..	44.8
Warrensburg	Maximum	77	72	70	73	67	69	79	82	76	74	72	68	65	43	69	70	65	67	56	64	61	68	74	79	76	81	78	69	84	82	..	71.3
	Minimum	60	42	45	45	40	44	54	54	55	52	53	43	36	28	32	56	35	38	31	35	42	49	48	53	54	50	62	44	57	50	..	46.2
Southeastern Division																																	
Arcadia §§	Maximum	80	65	59	84	69	55	79	81	80	79	58	67	47	48	67	66	63	68	45	58	70	58	71	79	72	84	81	72	84	70	..	68.6
	Minimum	43	41	31	31	35	32	41	41	55	51	47	47	40	28	25	27	38	38	35	35	28	30	47	37	37	52	54	47	43	46	..	39.4
Birch Tree (near)	Maximum	76	65	58	84	74	..	78	84	78	82	78	64	63	47	65	62	64	67	54	60	65	60	70	72	80	83	80	76	83	81	..	[a]70.8
	Minimum	47	40	37	44	44	..	40	..	49	54	..	47	40	28	21	51	41	43	35	36	27	45	38	36	50	56	63	50	49	57	..	[a]43.3
Caruthersville §§	Maximum	74	64	57	78	67	58	80	81	81	85	70	68	57	52	64	64	64	62	56	54	68	60	70	72	78	85	83	72	85	76	..	69.5
	Minimum	52	48	36	36	50	50	47	47	53	58	52	52	52	32	29	33	52	47	39	36	36	38	50	50	50	55	55	60	53	58	..	46.7
Crystal City	Maximum	83	63	57	85	66	58	78	84	81	72	59	66	60	48	67	68	66	64	58	56	66	64	70	75	64	79	81	68	84	75	..	68.9
	Minimum	36	38	31	45	33	35	51	50	55	52	45	45	36	29	27	48	42	38	37	36	29	48	51	38	47	55	61	45	50	55	..	42.9
Doniphan	Maximum	79	71	69	84	82	67	85	83	87	86	75	69	67	52	67	66	68	70	69	62	71	60	76	77	81	87	86	80	85	83	..	74.8
	Minimum	50	46	38	43	51	48	39	50	52	51	52	52	46	33	25	49	47	52	41	39	30	49	52	38	45	57	65	50	46	67	..	46.8
Farmington	Maximum	77	68	57	83	72	57	72	81	79	75	63	64	61	45	65	63	60	68	61	53	63	60	67	77	71	83	80	72	83	79	..	68.5
	Miuimum	44	40	29	45	42	39	44	56	58	52	46	45	36	28	25	51	38	41	35	36	32	47	51	41	53	52	63	47	46	55	..	43.9
Jackson	Maximum	76	76	61	78	75	66	80	81	86	82	76	68	68	47	63	62	64	66	64	51	68	65	66	78	78	84	85	80	83	83	..	72.0
	Minimum	47	43	31	42	38	39	45	53	61	57	47	48	38	30	26	48	41	45	39	36	30	49	51	45	50	57	61	52	45	59	..	45.2
Poplar Bluff	Maximum	78	74	59	80	72	64	82	82	82	84	60	70	63	53	65	65	67	69	54	59	71	58	84	76	81	87	82	80	84	80	..	72.2
	Minimum	50	46	35	49	42	46	43	44	52	59	52	51	44	31	28	40	45	44	40	36	37	48	44	49	44	57	54	55	49	62	..	45.9
Rolla	Maximum	74	59	60	79	63	57	68	80	79	73	60	62	52	42	66	61	60	64	40	58	65	58	69	77	60	82	79	70	82	71	..	65.7
	Minimum	45	40	34	48	42	42	49	57	55	55	49	44	31	27	30	46	36	39	31	36	44	46	51	50	54	53	53	44	53	50	..	44.5
St. Louis	Maximum	75	53	53	79	61	56	75	81	79	66	59	61	49	42	65	66	60	62	42	51	64	53	67	75	64	76	81	67	83	76	..	64.8
	Minimum	49	38	31	45	48	44	46	57	60	52	43	45	33	30	32	46	40	41	35	36	39	50	53	51	56	55	59	48	52	50	..	45.5
Salem §§	Maximum	77	62	60	82	66	57	75	80	80	78	56	56	65	45	66	62	62	65	44	59	67	68	69	75	64	80	79	72	82	64	..	67.2
	Minimum	37	35	36	33	35	46	47	55	50	50	44	44	45	28	26	32	37	38	33	34	30	35	47	37	39	53	54	46	46	63	..	40.8
Sikeston §§	Maximum	78	65	60	79	68	59	84	83	85	84	66	70	55	52	65	62	63	67	55	50	67	56	68	68	78	84	83	70	87	70	..	69.4
	Minimum	48	44	33	33	42	42	45	48	56	60	49	53	43	31	30	33	45	45	38	38	33	34	49	43	44	49	57	54	49	54	..	44.1
Union	Maximum	79	72	59	83	67	59	75	84	82	77	65	66	61	49	69	68	64	66	61	61	70	60	71	81	75	81	84	68	85	81	..	70.8
	Minimum	33	39	31	47	33	31	43	47	58	51	45	45	35	27	25	..	33	36	32	36	28	48	52	37	50	54	66	45	50	53	..	[a]41.7
West Plains	Maximum	77	67	56	84	68	59	82	79	81	85	61	64	55	48	67	65	64	68	52	60	67	62	72	78	81	85	82	76	84	68	..	69.9
	Minimum	43	45	40	46	43	48	46	51	57	52	42	48	32	27	25	52	44	43	35	36	30	46	44	38	47	55	59	51	52	55	..	44.2
Cairo, Ill.	Maximum	75	63	54	76	67	61	81	81	81	79	66	67	57	49	63	61	66	66	52	48	65	54	63	76	75	83	82	71	84	71	..	67.9
	Minimum	54	44	35	45	49	46	51	59	62	58	49	52	39	34	33	52	47	47	38	40	36	51	53	48	53	58	65	56	52	55	..	48.7

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 5-27-43—1000.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS 1, MO.

VOL. XLVII MAY 1943 No. 5

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Dry weather prevailing at the close of April continued during the first five days of May. Rains began on May 6th and occurred almost daily until the 21st, after which intermittent showers fell at frequent intervals until the close of the month. Monthly amounts were generally heavy to excessive, particularly over a wide belt extending diagonally across the State from the southwestern corner to the east-central boundary. This heavy concentration of rainfall resulted in unprecedented flood conditions in the Osage River basin below Bagnell Dam, and the most severe floods in the lower Missouri, and the Mississippi River, at St. Louis and downstream, since 1903 and 1844, respectively. A severe flood also occurred in the White River watershed. (Detailed report on floods in Missouri, during May, will appear in a later issue of this publication.)

The current month was the wettest May of record and the third wettest month of any name since State-wide records began in 1888. Only June 1928, with an average of 11.25 inches, and October 1941 with an average of 10.14 inches, were wetter than May 1943, which averaged 9.91 inches for the State, as a whole. The 25.54 inches that fell at Joplin during May is the greatest amount ever recorded at any station in any calendar month, in the climatic history of the State.

Temperatures during May were mostly moderate, but the relatively high humidity that prevailed made the month seem much warmer than the below-normal average of 63.9° indicated. No unusual extremes of temperature occurred, although light frost formed locally on the 1st; no damage resulted from the frost. The average temperature, for the Southeastern Division, was 66.6°, or 0.5° above normal; the Southwestern Division, 63.8°, or 1.2° below normal, and the Northern Division, 61.3°, or 2.1° below.

Small grains, meadows, and all grasses made exeellent growth during the month, but corn and other cultivated crops suffered generally from too much moisture and lack of cultivation. Much corn remained unplanted when the rains began and much of that already planted was inundated, while some rotted in the ground, thus necessitating replanting. All crops on bottom land along the larger streams and rivers, where flood conditions prevailed, were ruined and soil erosion was unusually heavy; in some instances the soil, to the depth it had been plowed, was washed away. Some hay was cut the latter part of the month, but this work was interrupted by frequent showers. Wheat and oats were heading at the close of the month and were in need of sunshine and dry weather. Very little plowing, planting, and cultivation was possible, exeept during the first and last weeks of the month. The farm outlook was very discouraging and in some sections of the State conditions were critical at the end of May.—M. R. W.

TEMPERATURE

The monthly mean for the State, 95 stations reporting, was 63.9°, or 0.6° cooler than the average of the past 56 Mays. The highest monthly mean was 70.7° at Campbell, and the lowest was 58.2° at Memphis. The highest temperature recorded was 95° at Bragg City on the 5th, and the lowest was 33° at Shelbina on the 1st.

PRECIPITATION

The average for the State, 158 stations reporting, was 9.91 inches, or 5.12 inches more than the 56-year May average. The greatest monthly amount was 25.54 inches at Joplin, and the least was 4.15 inches at Gallatin. The greatest 24-hour amount in any observational day was 7.27 inches at Joplin on the 18th. The average number of days with 0.01 inch or more was 16.

(Continued on page 27)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.46*	1	29.51*	15	7.7	24	sw.	5	86*	66*	66*	35	126
Kan. C. Airport	30.46	1	29.40	15	11.2	39	sw.	5	79	59	60	43	153
St. Joseph	30.46*	1	29.57*	15	9.2	43	w.	15	82*	60*	58*	46	190
St. Louis	30.52*	1	29.57*	11	11.6	33	sw.	5	79	64	69*	40	93
Springfield	30.44	1	29.59	15	11.1	35	sw.	2	89	70	72	45	111
Cairo, Ill.	30.47	1	29.55	11	8.9	28	sw.	6	79	64	..	58	21
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	62.1	93	30	4.98	6.23	4.73	3.98	....	5	..	..	..
1889	63.5	100	28	6.06	7.41	6.91	3.87	....	5	..	..	..
1890	62.8	97	26	3.65	2.91	4.62	3.43	....	6	..	..	..
1891	61.5	97	27	4.11	4.84	3.87	3.62	0	8	..	..	..
1892	60.7	91	28	9.04	8.72	10.11	8.28	0	17	5	9	17
1893	61.8	94	30	6.14	5.74	6.11	6.56	0	10	11	11	9
1894	63.7	96	29	4.31	2.60	5.18	5.14	0	8	13	11	7
1895	64.6	103	28	3.95	4.01	5.45	2.40	0	9	13	12	6
1896	70.1	96	37	9.17	9.00	10.29	8.22	0	12	12	12	7
1897	62.4	93	28	2.60	2.64	2.68	2.47	0	7	16	11	4
1898	65.2	97	31	7.68	8.36	7.81	6.88	0	14	12	10	9
1899	66.9	96	34	6.07	7.01	5.89	5.31	0	2	10	13	8
1900	66.3	97	29	3.63	3.80	3.00	4.09	0	10	14	11	6
1901	63.8	98	30	1.47	1.55	1.43	1.42	0	6	15	10	6
1902	69.4	98	39	4.82	5.31	5.65	3.51	0	11	13	11	7
1903	65.1	92	23	7.05	7.01	8.21	5.93	0	15	9	10	12
1904	63.1	95	32	4.74	5.46	5.40	3.35	0	12	13	10	8
1905	64.9	94	34	5.33	4.20	6.62	5.17	0	10	12	11	8
1906	66.3	98	27	2.45	2.08	3.02	2.25	0	7	15	10	6
1907	59.5	91	17	5.61	3.64	5.92	7.27	0.8	10	14	6	11
1908	66.1	96	24	6.91	8.16	6.77	5.79	0	12	12	10	9
1909	63.3	96	25	5.55	5.19	6.22	5.25	T.	9	15	9	7
1910	60.1	94	32	6.38	7.46	7.42	4.25	0	13	11	8	12
1911	68.8	101	27	1.46	2.45	1.10	0.84	0	5	19	7	5
1912	67.6	97	30	3.80	3.90	3.45	4.05	0	7	18	8	5
1913	65.8	101	33	2.79	3.82	3.16	1.40	0	8	16	7	8
1914	66.6	98	31	1.49	0.97	2.31	1.20	0	5	17	9	5
1915	63.7	97	30	7.72	8.34	8.11	6.70	0	12	12	7	12
1916	65.6	96	33	5.47	7.30	5.46	3.64	0	11	15	8	8
1917	58.7	91	30	4.28	4.14	5.38	3.32	0	10	15	7	9
1918	68.3	100	28	5.50	5.71	4.23	6.57	0	10	16	8	7
1919	62.0	93	35	5.74	5.65	5.96	5.61	0	13	10	10	11
1920	63.8	97	32	5.01	3.77	5.10	6.15	0	12	9	9	13
1921	66.4	102	28	3.68	3.80	3.68	3.55	0	7	17	8	6
1922	67.2	97	38	3.07	3.53	3.59	2.09	0	10	14	10	7
1923	62.7	97	25	4.68	2.45	4.40	7.18	T.	12	11	10	10
1924	58.6	96	31	4.71	3.18	5.13	5.83	0	10	13	8	10
1925	61.2	98	24	2.10	2.32	2.39	1.60	0	7	14	9	8
1926	67.0	100	29	2.78	2.42	3.34	2.58	0	7	16	9	6
1927	64.6	94	34	6.95	4.55	6.77	9.54	0	12	11	10	10
1928	65.8	95	29	2.87	2.05	3.16	3.41	0	8	16	9	6
1929	61.7	95	28	7.76	5.30	9.66	8.31	0.3	13	9	10	12
1930	64.7	95	33	3.33	3.22	3.78	2.98	0	9	16	8	7
1931	61.0	96	29	4.50	4.84	4.64	4.03	0	10	15	6	10
1932	66.1	98	31	1.80	2.44	2.03	0.93	0	6	18	9	4
1933	65.9	96	35	7.75	6.44	8.07	8.74	0	13	11	9	11
1934	69.0	110	31	1.93	1.82	2.42	1.56	0	5	21	7	3
1935	60.3	92	32	8.46	9.73	7.99	7.66	0	17	6	8	17
1936	68.8	95	32	2.52	3.07	2.95	1.54	0	7	17	10	4
1937	66.2	98	34	3.86	3.97	4.36	3.25	0	9	13	11	7
1938	65.0	94	32	6.13	5.32	7.75	5.31	0	13	9	12	10
1939	67.4	102	31	4.17	2.94	5.98	3.60	0	9	15	9	7
1940	62.7	95	30	2.44	2.44	2.40	2.48	0	8	16	9	6
1941	68.9	97	35	2.29	2.71	1.95	2.21	0	8	16	11	4
1942	63.8	97	29	5.31	5.09	5.37	5.47	0	10	11	11	9
1943	63.9	95	33	9.91	7.83	13.05	8.85	0	16	7	9	15
Period	64.5	110	17	4.79	4.66	5.22	4.48	T.	10	13	10	8

Climatological Data for May 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	60.3	.....	89	29	39	1†	14	6.35	+3.67	2.38	15	0	17	12	9	10	ne.	Curtis E. Grace
Bethany	Harrison	916	48	60.0	− 2.5	87	29	40	1†	50	5.05	+0.88	2.08	15	0	11	11	12	8	s.	A. S. Cumming
Brookfield	Linn	767	2	62.8	.....	92	5	42	8†	2	5.88	.....	0.80	7	0	15	3	15	13	w.	E. W. Patrick
Brunswick	Chariton	652	62	61.1	− 3.1	89	5†	42	8	64	8.46	+3.85	1.93	18	0	15	9	5	17	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	60.6	.....	89	5	37	1	13	7.36	+2.04	1.52	20	0	20	9	11	11	ne.	Lockmaster
Chillicothe	Livingston	779	34	60.3	− 2.6	89	29	41	8†	37	4.71	+0.62	....	.....	0	13	14	1	16	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	62.4	− 1.2	90	5	39	1	34	9.30	+4.90	2.31	15	0	15	7	11	13	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	63.0	− 2.1	91	5	44	21	53	13.34	+8.88	3.16	7	0	19	3	12	16	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	61.0	− 1.1	88	29	39	3	59	7.59	+3.53	3.23	15	0	13	6	14	11	ne.	Fr. Adelbeln Hess
Edgerton	Platte	856	23	61.2	− 1.8	91	5	38	2	40	4.45	+0.25	1.05	15	0	11	2	20	9	s.	LeRoy Mindrup
Elsberry	Lincoln	449	12	63.6	− 1.1	94	5	36	1	12	10.42	+7.10	2.55	6	0	14	7	17	7	ne.	John Dowell
Fayette	Howard	760	63	61.2	− 2.6	90	5	41	1	60	7.85	+3.53	1.72	17	0	16	11	4	16	n.	Irvin E. Schnell
Fulton	Callaway	818	55	62.8	− 1.8	90	5	37	1	51	10.64	+6.04	2.11	17	0	17	14	7	10	s.	Frank E. Hillgartner
Grant City	Worth	1,134	39	59.7	− 2.3	87	29	35	3	51	6.35	+2.12	3.36	15	0	10	11	5	15	ne.	Howard Ryholt
Hannibal	Marion	759	51	60.6	− 3.0	90	5	39	1	59	9.12	+4.77	1.76	17	0	17	9	7	15	se.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	62.6	− 2.2	89	4	43	8	54	4.71	+0.06	1.21	6-7	0	15	3	9	19	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	62.6	.....	88	4†	42	8	5	4.90	.....	1.21	17	0	13	3	9	19	n.	University of Kansas City
Kidder	Caldwell	1,020	51	60.6	− 2.0	88	29	40	3†	55	4.78	+0.13	1.13	8	0	16	8	7	16	ne.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	62.0	− 0.3	91	29	36	1	61	6.62	+1.29	1.33	18	0	17	6	12	13	n.	P. O. Selby
Lawson	Ray	1,070	5	60.8	.....	89	29	40	1	5	4.42	.....	1.32	7	0	12	13	5	13	ne.	Frank G. Gstrein
Louisiana	Pike	469	49	60.2	− 3.5	92	5	34	1	62	13.63	+8.93	2.50	18	0	15	11	11	9	s.	Stark Bro's Nurseries
Macon	Macon	875	44	59.3	− 4.2	87	5†	35	1	50	6.66	+2.07	1.21	8	0	18	6	6	19	sw.	John W. Atwell
Maryville	Nodaway	1,169	53	59.8	− 1.5	89	29	37	3†	49	6.61	+1.96	2.74	15	0	13	6	8	17	ne.	R. B. Montgomery
Memphis	Scotland	787	4	58.2	.....	90	29	35	1†	13	5.10	+1.09	1.15	16	0	17	8	7	16	se.	John W. Alexander
Mexico	Audrain	800	54	62.2	− 1.8	92	5	35	1	65	13.74	+9.14	2.50	8	0	19	10	4	17	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	61.2	.....	91	5	38	1	6	8.64	.....	1.38	15	0	17	6	7	18	se.	Moberly Water Dept.
New Florence	Montgomery	885	0	61.6	.....	91	5	37	1	1	9.83	.....	2.42	17	0	18	3	7	21	se.	U. S. Weather Bureau
Oregon	Holt	1,048	87	61.6	− 1.6	90	5†	39	8	87	5.92	+1.39	2.05	15	0	12	8	11	12	ne.	Miss Mina Wright
St. Charles	St. Charles	520	55	63.4	+ 0.3	94	5	41	1	65	11.35	+7.07	3.11	18	0	19	13	8	10	s.	Martin L. Comann
St. Joseph	Buchanan	957	33	61.0	− 3.2	88	5	40	7	71	6.32	+1.62	2.67	14-15	0	15	10	9	12	s.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	61.9	.....	92	5	38	1	5	9.95	.....	1.68	8	0	16	7	11	13	se.	Lockmaster
Shelbina	Shelby	779	2	61.1	.....	93	6	33	1	50	7.73	+3.41	1.62	15	0	16	13	6	12	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	61.1	− 2.7	91	5	34	1	50	8.51	+3.94	1.87	20	0	18	8	6	17	se.	Samuel D. Gross
Tarkio	Atchison	916	40	60.8	− 1.8	92	29	40	8†	49	4.21	−0.33	1.74	15	0	10	5	9	17	ne.	Albert Volker
Treuton	Grundy	822	47	61.8	− 1.7	89	29	41	1†	48	5.06	+0.36	1.53	15	0	15	7	14	10	n.	W. H. Estes
Unionville	Putnam	1,062	50	60.1	− 2.0	90	29†	35	1	50	5.44	+0.19	1.44	16	0	17	7	16	8	ne.	C. D. Wilson
Warrenton	Warren	816	61	63.4[b]	− 1.5	91	5	42	1	63	12.17	+7.77	2.62	7	0	21	13	5	13	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	60.4	− 3.4	90	5	40	1	71	5.81	+1.88	1.20	15	0	17	8	10	13	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**61.3**	**− 2.1**	**94**	**5**	**33**	**1**	..	**7.83**	**+3.17**	**3.36**	**15**	**0**	**16**	**8**	**9**	**14**	**nw.**	
Southwestern Division																					
Anderson (near)‡‡‡	McDonald	1,000	39	....	.....	..	..	..	..	44	7.99	+2.24	3.13	18	0	8	8	10	13	se.	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	63.2	− 1.8	88	5	42	8	51	17.17	+12.37	5.50	18	0	18	8	7	16	nw	Rolla Brown
Bolivar	Polk	1,071	40	64.0	− 0.8	88	5	43	8	48	14.70	+9.35	2.86	18	0	18	8	10	13	sw.	Southwest Baptist College
Boonville	Cooper	650	5	61.3	.....	90	5	43	8	66	10.76	+6.15	1.81	18	0	17	11	3	17	se.	Boonville Water Dept.
Carthage	Jasper	962	9	66.4	.....	89	2†	44	8	19	19.52	.....	5.25	18	0	18	5	9	17	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	63.2	− 2.3	89	5	43	8	56	16.12	+11.29	5.46	17	0	19	8	7	16	s.	U. S. Weather Bureau
Eldon	Miller	934	48	62.4	− 1.8	91	5	43	1	44	11.46	+7.16	3.36	18	0	17	4	11	16	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	65.4	.....	90	5	45	21	2	8.93	.....	2.60	18	0	13	11	11	9	w.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	61.4	− 2.4	87	4	42	8	68	10.06	+5.63	3.25	18	0	15	1	5	25	se.	John H. Patterson
Jefferson City	Cole	557	53	62.7	− 2.0	91	5	42	1	61	10.76	+6.35	4.24	18	0	19	9	3	19	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	66.2	− 0.1	89	2	45	8	38	25.54	+20.18	7.27	18	0	19	5	15	11	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	12	....	.....	..	..	..	..	12	11.38	+7.11	2.22	18	0	18	11	6	14	.....	W. S. Frame
Lamar	Barton	980	55	61.1	− 4.5	84	5	43	8†	62	14.45	+9.19	3.90	19	0	16	10	3	18	ne.	Jesse A. Mann
Lebanon	Laclede	1,265	55	62.4[a]	− 2.5	90	31	40	21	56	12.05	+6.84	4.05	18	0	18	5	5	21	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	61.7	− 2.7	88	29	41	9	59	6.83	+1.87	1.49	18	0	15	10	11	10	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	64.9	+ 0.5	87	5†	44	8	47	12.95	+7.63	2.10	18	0	18	10	10	11	sw.	Hubert A. Nieman
Marshall	Saline	779	56	63.2	− 1.0	90	5	43	1†	53	9.49	+4.88	2.63	17	0	13	5	13	13	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	64.6	+ 0.8	87	2	44	1	46	11.04	+6.58	2.32	10	0	16	3	18	10	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	64.2	− 1.6	88	2	42	21	43	21.60	+16.09	7.25	18	0	19	5	12	14	sw.	G. H. Boswell
Neosho	Newton	1,011	56	66.4	+ 0.4	88	2	42	1	60	21.56	+16.00	5.36	18	0	17	1	21	9	se.	U. S. Fisheries Station
Nevada	Vernon	862	50	64.2	− 0.3	88	4	42	8	51	13.88	+8.95	3.72	19	0	17	7	8	16	nw	Henry Kraft
Ozark Beach	Taney	700	3	66.6	.....	91	2†	45	1	18	12.85	+7.63	3.73	11	0	18	10	13	8	sw.	V. Smith
Sedalia	Pettis	910	30	63.6	− 1.7	89	5	43	8	32	10.73	+6.19	2.16	17	0	18	11	8	12	ne.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	64.7[b]	+ 0.2	89	2	44	8	40	15.03	+9.59	3.81	9	0	15	8[a]	10[a]	12[a]	e.	Floyd E. Fawver
Seymour (near)	Webster	1,642	37	63.0	− 0.7	86	5	44	1†	37	13.74	+8.91	2.85	10	0	17	7	7	17	s.	A. L. Hailey
Springfield	Greene	1,301	55	63.2	− 0.5	86	5	45	8	55	16.15	+10.96	3.63	17-18	0	20	5	9	17	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	63.0	.....	90	5	39	1	2	9.24	.....	2.19	17	0	16	12	8	11	w.	H. F. Nelson
Warrensburg	Johnson	878	56	63.8	− 1.2	87	5†	42	9	63	10.37	+5.65	2.00	17	0	16	10[a]	4[a]	16[a]	nw.	Central Teachers College
Warsaw	Benton	687	42	64.2	− 1.3	89	5	43	8†	48	13.01	+8.01	2.79	18	0	16	4	15	12	e.	James R. Riddle
Wasola	Ozark	1,294	2	65.0	.....	89	2	47	1†	3	11.78	.....	3.62	10	0	16	9	11	11	s	A. W. Pinckney
Division means	**and extremes**	.....	..	**63.8**	**− 1.2**	**91**	**2†**	**39**	**1**	..	**13.05**	**+7.83**	**7.27**	**18**	**0**	**17**	**7**	**10**	**14**	**sw.**	
Southeastern Division																					
Advance	Stoddard	354	6	66.6	.....	88	2†	43	1	6	8.03	.....	2.67	10	0	12	2	11	18	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	63.8	− 0.3	91	2	36	1	65	11.25	+7.01	2.75	11	0	18	6	5	20	s.	Arcadia College
Birch Tree (near)	Shannon	1,000	48	66.0[b]	+ 1.0	91	2	45	25	49	10.29	+5.94	4.26	10	0	14	10	12	9	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	70.0	.....	95	5	51	1†	12	5.84	+2.76	1.09	10	0	16	12	3	16	sw.	Paul B. Hutchens
Campbell	Dunklin	314	17	70.7	+ 3.4	91	5	49	2	17	8.39	+3.38	3.40	11	0	15	10	12	9	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	69.0	− 0.8	90	2†	48	2	51	6.28	+1.84	3.30	11	0	12	11	7	13	e.	Victor T. Malloure
Crystal City	Jefferson	420	9	64.2	.....	92	5	36	1	9	8.21	+4.05	....	.....	0	15	6	9	16	e.	Frank Magre
Doniphan	Ripley	344	39	69.2	+ 2.7	92	2	45	26	39	8.68	+4.32	2.90	10	0	16	13	3	15	sw.	Boyce Lackey
Farmington	St. Francois	896	32	64.6	+ 0.9	90	2†	39	1	46	10.66	+5.59	3.69	10	0	18	7	4	20	s.	F. M. Karsch
Goodland	Iron	1,000	50	64.7	+ 0.7	90	2†	36	1	50	11.67	+7.16	2.16	10	0	17	11	7	13	s.	F. M. Adams
Greenville	Wayne	381	34	67.5[b]	+ 1.6	94	2	43	1	36	9.08	+4.90	3.34	10	0	14	8[b]	4[b]	17[b]	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	68.2	+ 2.6	90	5†	41	1	53	9.77	+5.50	2.60	10	0	15	4	6	21	s.	John G. Putz
Koshkonong	Oregon	958	42	68.0[a]	+ 1.4	91	3	47	21	43	8.20	+3.65	4.10	10	0	8	12[a]	9[a]	9[a]	s.	R. E. Bratcher

Continued on next page

Climatological Data for May 1943 - Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																					
Licking(near)	Texas	1,170	6	66.7	.....	89	2†	42	21	6	9.21	.....	2.29	18	0	17	7[a]	10[a]	13[a]	w.	U. S. Forestry Service
Malden	Dunklin	292	0	69.5	.....	93	5	48	1	0	7.82	.....	4.01	10	0	16	3	6	22	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	66.9	+ 1.3	89	2†	42	1	50	9.40	+4.91	2.49	18	0	14	8	9	14	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	38	69.4	+ 1.9	91	2	47	26	39	7.13	+2.61	2.64	11	0	11	5	12	14	se.	B. R. Wheetley
Rolla	Phelps	1,202	43	63.3	− 1.2	89	5	43	1	59	9.83	+5.08	1.92	18	0	18	6	7	18	s.	U. S. Weather Bureau
St. Louis	**St. Louis City**	465	106	64.4	− 2.6	92	5	43	1	106	10.20	+5.86	3.13	17–18	0	19	7	6	18	sw.	**Section Center**
St. Louis Airport	St. Louis	556	6	64.1	1.7	93	5	41	1	12	11.20	+7.28	3.45	17	0	18	3	10	18	sw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	64.4	− 1.3	92	5	45	1	31	9.70	+5.51	2.15	17	0	18	10	2	19	se.	St. Louis University
Salem	Dent	1,173	39	63.1	− 1.4	88	2	41	21†	42	8.90	+4.39	2.28	11	0	18	5	9	17	s.	E. E. Martin
Sikeston	Scott	318	36	68 5	0.0	93	5	42	1†	46	5.69	+1.45	2.75	11	0	14	5	12	14	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	5	64.2	.....	93	5	35	1	26	9.06	+4.52	1.90	17	0	16	8	8	15	ne.	Robert Mueller
Wappapello Dam	Butler	475	4	68.2	.....	91	2	48	1	4	5.52	.....	2.47	11	0	16	10	8	13	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	65.5	.....	89	2	39	1	3	11.46	.....	2.80	10	0	14	6	13	12	w.	William J. Miller
West Plains	Howell	1,005	6	65.7	.....	91	2	46	26	6	7.93	.....	3.96	10	0	10	3	13	15	s.	U. S. Weather Bureau
Willow Springs	Howell	1,238	2	64.1	.....	88	2†	45	26	36	11.83	+7.23	2.66	11	0	17	6	6	19	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	69.4	+ 1.0	91	5	48	1	72	6.11	+2.40	3.37	10–11	0	15	2	11	18	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	66 6	+ 0.5	95	5	35	1	..	8.85	+4.37	4.50	11	0	15	7	8	16	s.	
State means	**and extremes**	.....	..	63.9	− 0.6	95	5	33	1	..	9.91	+5.12	7.27	18	0	15	7	8	15	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.
¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 25)

MISCELLANEOUS PHENOMENA

Dust.—Locally on 6th and 15th.

Floods.—In Black River 11-15th. In Bourbeuse River 18th-21st. In Grand River 16th-23d. In Gasconade River 12-14th and 19th-23d. In Meramec River 12-15th and 18-26th. In Mississippi River, Hannibal to Louisiana, continued from April to May 6th and on May 9th and 12th; at Cairo, Ill., continued from April to May 4th; in reach from Keokuk, Iowa to New Madrid, Mo., and below, May 16th continued into June. In Missouri River in the reach from Boonville to mouth 12th-31st. In St. Francis River at Fisk 12-13th and 21st-June 1st. In White River 11-13th.

Fogs.—Heavy, 7th, 9th, 10th, 11th, 12th, 15th, 18th, 19th, 20th, 21st, 22d, 24th, 27th, 28th, 29th.

Frosts.—Light, locally on 1st.

Hail.—Moderate, 5th at Maryville with damage to roofs, windows, and gardens; 14th at Brunswick. Heavy, 5th locally in Atchison, Holt, and Nodaway counties; 15th at Appleton City with damage to windows and roofs; 26th locally in Vernon, Barton, and Jasper counties. (See special hailstorm notes.)

Tornado.—15th. (See special tornado notes.)

Windstorms.—On 5th, locally in Atchison, Holt, and Nodaway counties, accompanying a heavy hail storm, with damage to barns and outbuilding. A strip of about five and one-half miles west of Skidmore, Nodaway County, and the northern part of Holt County were particularly hard hit by the wind and hail. On the 18th a destructive windstorm struck at Lebanon, damaging outbuildings and the thermometer shelter there. No amount of damage available for above windstorms.

TORNADO

A small local tornado struck the vicinity south and southwest of Stover, Morgan County, about 8:30 p. m. on the 15th, resulting in the death of four persons and injury to five others in addition to considerable property damage. Several houses and numerous outbuildings were damaged, or demolished, and several head of livestock and some poultry were killed, or injured. The storm moved from southwest to northeast over a spotty path about twenty miles long and was accompanied by hail. The width of path is unknown. The vicinity three miles south and six miles southwest of Stover was hardest hit. Property damage was estimated at $7,500.

HAILSTORMS

A moderate to heavy hailstorm, accompanied by high winds and driving rain, occurred between 8:00 and 8:30 p. m. of the 5th, locally in Atchison, Holt, and Nodaway counties, resulting in severe damage to roofs, windows, trees, telegraph and telephone lines and poles, growing crops and gardens, livestock and poultry. The storm came from the southwest and moved northeast with path three to ten miles wide and about forty miles long. Stones ranged in size from buckshot to walnuts and in places drifted to a depth of 6 to more than 12 inches. Places reporting greatest damage were Craig, Maitland, and Skidmore. In the area one mile north of Maitland to two miles north of Skidmore damage to crops alone was estimated at $100,000. Estimate of damage to other property was not available, but reported as severe. Property damage ranged from slight to 95 per cent in the stricken area.

On the 26th, heavy hail fell locally in Barton and Jasper counties, with severe damage to crops, gardens, fruit trees, roofs, windows and livestock. The storm came from the northwest and moved southeastward over a path four miles wide and about twenty miles long. Area hardest hit extended from about 14 miles west of Lamar southeastward to Jasper. Stones varied in size, some being as large as golf balls, and a few, found near Jasper, were as large as hen eggs. Crop damage at Jasper was estimated at $15,000 and in Barton County at $50,000. Amount of other property damage was considerable, but no estimate of the aggregate amount was available.

On the 26th, between 5.00 and 6.00 p. m., a second heavy hailstorm occurred at Deerfield and Richards, in Vernon County, with severe damage at Deerfield. This storm came from the southwest and moved northeast, over a path sixteen miles wide. Stones were large enough to kill calves at Deerfield. Heavy damage also reported east of Nevada. No estimate of crop or property damage was available.

Daily Precipitation for May 1943

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand						1.29	.46	.22	.07	.04			.01		2.38	.01	.35	.11	.62	.03			.04	.40	.03					.15	.14	6.35
Amity[2]	do		T.			T.	1.18	.12	.51		.26	.06	T.	T.	T.	.79	.87	.23	.25	.43	.05			T.	.37	.03					.08	.10	5.33
Bethany	do						.73	.49	.09	.05	.06					2.08		.38		.58											.15	.05	5.05
Bowling Green[2]	Mississippi						2.00	1.20	1.34		.01	1.74	.26			.52	1.97	.37	2.38	.52	.20		.01		.06	*	.12			*	.16	.52	13.38
Brookfield	Grand						.72	.80	.64	.10	.15			.09	T.	.74	.48	.23	.65	.41	.12			.11	.37	T.					.27	T.	5.88
Brunswick[2]	do				T.		.30	.22	1.37		.32	.26				.62	.69	.35	1.93	.97	.74			.10	.28	.13					T.	.18	8.46
Cantou, Lock No. 20[2]	Mississippi		T.	T.		.01	.46	.03	1.47	T.	.07	.42		.01	.01	.40	.59	.30	.84	.57	1.52	.05		.06	.15	.21	T.				.07	.12	7.36
Centralia[2]	do						.30	1.07	1.82	.05	.16	1.11				1.85	.74	.70	1.75	1.66	.12			.06	.06	.06					.10	.10	11.71
Chillicothe[2] (A)	Grand						.62	.31	*	*	1.39	T.			T.	.32	.59	.26	.61	.21	.08			T.	.29						T.	.03	4.71
Clifton Hill	Chariton						.22	.41	1.75	.03	.70	.07				2.31	.62	.97	.40	.77	.73			.06	.12						.14		9.30
Columbia [1]‡	Missouri		T.		.03		1.79	3.17	.07	.03	.71	.66			.16	1.28	.45	2.04	.74	.93	.83		T.	.12	.01		.01	T.			.21	.10	13.34
Conception	do						1.18	.27	.16	.21	.06					3.23		.26		1.47	.07			.05	.36						.06	.21	7.59
Edgerton	do						.70	.81	.32	.18	.13			T.		1.05	T.	.35	.13	.35	.03			T.	.40						T.		4.45
Edina[2]	Mississippi						.53	.13	1.27		.10	.20		T.	T.	.36	.95	.28	1.50	.19	.33			.06	.19	.14						.24	6.47
Elsberry	do						2.55	.50			.58	.91			.50	.50	2.05	1.35		.30	.28				.20		.15				.45	.10	10.42
Farber[2]	do					T.	.11	1.28	2.11		.15	1.40	.13			1.94	*	1.49	2.20	1.06	.04	T.	T.		.06	.10					*	*	12.07
Fayette	Missouri	T.	T.				.31	1.20	.39	.04	.64	.13				1.22	.40	1.72	.38	.89	.20			.06	.04		T.				.22	.01	7.85
Fulton	do				T.		.30	1.67	.77	.01	.53	1.29				.38	.32	2.11	1.64	.57	.36			.11	.05	.06	T.				.28	.16	10.64
Gallatin[2]	Grand						.71	.04	.70		.17	.03			T.	.40	.78	.17	.25	.52	.13			T.	.25	T.	T.						4.15
Grant City	do						1.12	.02	T.	.08	.04			T.		3.26		.33	T.	.79	T.				.39						.11	.11	6.35
Hannibal[3] (A)	Mississippi		T.		.02		.26	1.26	.49	.07	.85	.50			.08	1.50	.98	1.76	.08	.76	.03			.07	.18		T.				.23	T.	9.12
Hermann[2]	Missouri							1.58	.55		.30	1.20				2.11	.44	1.87	2.80	.30	.16			.01		.10					.03	.43	11.88
Kahoka[2]	Mississippi					.03	.48		1.18	*	*	.40			.06	.25	1.10	.28	.84	.12	.40	.02			*	.28				*	*	.23	5.67
Kansas City Airport [1]‡	Missouri		T.		T	.11	.30	1.06	T.	.50	.03		T.	T.	.02	.68	.03	1.14	.48	.03	T.		.01	.11	.20		T.	T.		T	.01	T.	4.71
Kansas City University	do				T.		.17	.66	.54	.76	.04					.38	.13	1.21	.23	.67				.12	.18						.01		4.90
Kidder[2]	Grand						.87	.04	1.13		.19	.18		.01	.01	.29	.64	.12	.43	.46	.06			.01	.28							.06	4.78
King City	Missouri						.95	.54		.13						2.17		0.41		0.41					.39							.17	5.17
Kirksville	Mississippi		.04			T.	.55	.55	.69	.11	.21	.03		.03		1.05	.48	.42	1.33	.29	.21			.09	.31						.23	T.	6.62
LaBelle[2]	do					.04	.41	.16	1.31	T.	.15	.30		T.	.03	.40	.85	.05	.90	.55	.64				.21	.12						.30		6.42
Lawson	Missouri				T		.30	1.32	.35	.18	.10	T.			T.	.70	.16	.52	.24		.02			.26	.27								4.42
Linneus[2]	Grand						.69	.32	1.31		.14	.04				.29	.46	.29	.90	.25	.05			.07	.33	.01					.10	.06	5.31
Louisiana[2] (A)	Mississippi						.10	2.30	1.60		.15	1.70	.30			.33	2.10	1.10	2.50	.55	.10			.10		.10							.50	13.63
Lucerne[2]	Grand					.12	.78		.68		.07	.27				.74	1.95		.66	.35	.40			.11	.18						.06	.15	6.52
Macon[2]	Chariton						.30	.06	1.21	T.	.06	.41		.02	.07	.75	.74	.09	.94	.75	.82	T.		.03	.11	.05	T.				.02	.23	6.66
Madison[2]	Mississippi				.02			.58	1.21		.23	.82	.02		.02	1.49	1.16	.86	1.63	.67	.36			.10	.02		.02				.05	.30	9.56
Maryville	Missouri				T.	T.	1.45	.07	.06	.05	.06					2.74		.97	.05	.61	.12				.36						.03	.04	6.61
Memphis[2]	Mississippi				.06		.33	.02	1.07		.06	.07		.05			1.15	.22	.82	.18	.47	T.		.06	.24	.08					.02	.20	5.10
Mexico[2]	do						.20	1.52	2.50	.10	.26	1.65	.05			1.60	.63	.74	2.30	1.05	.25	.03		.08	.10	.13					.28	.27	13.74
Milan[2]	Grand						.63	.07	1.09		.10	.12				.40	1.72	.30	.61	.43	.15			.08	.26	.04					.18	.02	6.20
Moberly[2]	Mississippi						.35	.27	.96		.06	.97				1.38	.90	.60	1.35	.75	.60			.08	.05	.03	.01				.09	.19	8.64
Monroe City	do				.03		.32	.42	1.10	.04	.70	.35				1.32	.49	1.51	1.16	.57	.12			T.	.19						.38		8.70
New Florence[4]‡	Missouri				T.		2.05	1.05	.14	.09	.98	.65			.03	.70	.49	2.42	.13	.30	.15		T.	.02	.08		.01				.45	.09	9.83
Oregon	do		T.				.72	.35		.35	.05					2.05		.58	.03	.80				.05	.62						.02	.30	5.92
Palmyra	Mississippi		T.				.30	.22	1.41		.81	.44	T.			1.26	.22	1.42	.87	.52	.28			.03	.16						.32		8.26
Paris[2]	do						.25	.49	1.25	T.	.22	.80	.03		T.	1.56	1.39	1.03	2.10	.72	.13				.03	.10	.02					.02	.43	10.57
Perry	do						.30	.40	2.30	.10	.50	.35	.50			2.00	.45	1.50	1.25	1.25	.03				.20		.03			.30			11.46
Philadelphia[2]	do						.32	.26	1.43		.24	.27				1.20	.81	1.00	.94	.59	.52			.15	T.								7.73
St. Charles[2]	Missouri							2.05	.30		.34	.88	.15		.90	.25	1.17	1.60	3.11	.22	.20	.15		.04		.13	.03			.15	.02	.26	11.35
St. Joseph[1]‡	do		T.			1.25	.12	.57		.17	.07			T	.20	2.47	.03	.41	.24	.17				.09	.32						.03	.18	6.32
Saverton, Lock No. 22[2]	Mississippi			T.		T	.24	.87	1.68	T.	.19	1.32	.20			.51	1.51	.96	1.42	1.02	.02	T		.04	T	.13	T.				.01	.33	9.95
Shelbina	do		T.		T.		.38	.48	1.25	.02	.57	.12				1.62	.32	.81	.70	.55	.40			.07	.22	.01					.21		7.73
Shelbyville[2]	do						.45		1.70		.32				.38	1.05	.90	.22	.86	.57	.55					.32						.27	7.59
Steffenville	do		T.		.01		.50	.29	1.17	.05	.38	.29		.19		1.04	.35	.42	.66	.63	1.87			.04	.41						.19	.02	8.51
Tarkio	Missouri						.74		.10	.05	.18					1.74		.24		.25	.37			.04	.50								4.21
Trenton	Grand		T.		.05	T.	.71	*	.78	.06	.19			T.		1.53	.18	.36	.54	.16				.03	.25						.16	.06	5.06
Troy[2]	Mississippi						T.	2.30	.35	T.	.25	.90	.26			.50	.70	.60	2.00	.10	.10	T.		T	T	.09	T.				.25	.15	8.55
Unionville[2]	Chariton		.03			.07	.50	.02	.68		.05	.38		T.		.55	1.44	.22	.17	.25	.45			T	.30	.05					.12	.16	5.44
Warrenton	Mississippi				.09		.10	2.62	.39	*	*	1.92				1.77	.14	2.42	1.18	.27	.04	.03		.03	.12	.10	.20			.12	.41	.22	12.17
Keokuk, Iowa[3]	do		T.		.05		.34	.98	.12	.04	.31	.07	T.	.08	T.	1.20	.07	1.00	.25	.20	.49			.10	.26						.25		5.81
Southwestern Division																																	
Altona[2]	Osage		T.				.08	.75	1.37	.22	1.12	.15				1.65	.59	1.40	.75	1.83	.23				.39		.08		.21		T.	T.	10.82
Anderson (near)	Neosho							.24	1.07		T	.29				T.	T.	.02	3.13	1.82	T							1.28			.14	7.99
Appleton City	Osage				1.07		.03	2.00	.62	.58	.95	.42			.10	1.10		1.90	5.50	2.38	.20		.05	.05	.12		.02				.08		17.17
Bolivar	do		T.				.10	.65	.31	1.55	1.70	.87				.44	.57	1.70	2.86	1.89	1.24			.08	.46		T.	.11		.01	.08	.08	14.70
Boonville[2] (A)	Missouri					.37		.98	1.31	.01	.37	.90	.01			1.12	.78	.72	1.81	1.78	.43			.07	.01		T.				.05	.04	10.76
Buffalo[2]	Osage							.20	.70	.70	1.70	1.62	.02			.26	1.40	2.96	1.91	1.36				.09	*	.44	.38	.16			.09		13.99
Butler[2]	do						.06	.75	1.10	.01	1.40	.15				.45	1.75	.70	2.20	2.10	.20			.04	.26	.02	.10						11.32
Caplinger Mills[2]	do							.05	1.55	2.25	1.38	.05				.48	.33	1.00	1.08	3.07	.50			.25	.33	T.		.10	T.			T	12.42
Carthage	Neosho						.02	.81	.39	2.20	2.32	.31			.05	.01	.31	1.85	5.25	2.56	1.60			.13	1.07			.25			.23	.16	19.52
Clinton[4]	Osage						1.56	2.13		.79	1.26	.12			.11	1.23	.01	5.46	2.20	.74	.08		.05	.12	.10		.05	.03		.01	T	.01	16.12
Concordia	Missouri						.06	.38	1.45	T.	.83	.03				.31	.59	1.14	2.91	1.09	.48			.15	.07						.07	T.	9.56
Crocker	Osage						.35	1.09	.22	1.03	1.33	1.02				.28	.50	1.16	2.60	.77	.39			.02	.29		.23	T.			.33		11.61
Eldon[2]	Missouri							.58	.86	.06	.47	1.24				.13	.76	.46	3.36	.98	1.91	.05		.05		.07		.13			.21	.14	11.46
Eldorado Springs	Osage						T.	1.70	.86	1.03	1.17	.66		T.	.22	.48	1.42	1.15	.42	2.62	.25			.18	.37		.29	.09			.03	.02	12.96
Fort Leonard Wood	Gasconade						T.	.03	.07	.36	1.73	1.00					.07	1.18	2.60	1.12					.35		.10			.20	.15		8.93
Galena[2]	White	.16						.03	.66	1.89	3.89	2.96	.07			.23	.34	1.61	1.79	.95				.09	.13				.56		.39		18.75
Hailey	do						T.	.20	.76	3.64	3.70	.21				.29	.19	.81	2.60	1.96	.19				.61			.97		.61	.26		17.00
Harrisonville[2]	Osage						.33	.50	1.39	.08	.89	.18				.38	.55	.52	3.25	1.08	.58			.10	.20				.03				10.06
Jefferson City[2]	Missouri							.47	.56	.04	.35	1.15	.01			.23	.47	1.60	4.24	.48	.47	.04		.05	.03	.12	.02				.26	.17	10.76
Joplin[1]	Neosho						.22	1.98	.48	3.45	1.62	.04				.28	.42	4.90	7.27	3.39	.15		.03	.06	.79		T	.20		.13	.04	.09	25.54
Lakeside[2]	Osage							.53	1.35	.05	.83	1.18	T.			.49	.56	1.98	2.22	1.27	.37	T.		.03	.05	.09	.08	.01	T.		.28	.01	11.38
Lamar[2]	Neosho							.70	1.30	.45	2.40	.50					.50	1.00	1.40	3.90	.85			.20	.63			.20	.05		.12	.25	14.45
Lebanon[2]	Osage							.20	.29	.34	1.75	1.95				.08	.36	.83	4.05	1.05	.76	.06		.01	.36	.06		.17	.11		.12	T.	12.05
Lexington[2]	Missouri		T.				.35	.25	1.43		.60	.07				.20	.60	.19	1.49	.98	.81			.17	.12						.05	.02	6.83
Lockwood	Osage						T.	.40	.40	1.85	1.84	.37			T.	.02	.42	1.74	2.10	1.60	1.08		T.	.13	.47		.20	.19		.02	.05	.07	12.95
Marshall	Missouri							.16	.52	1.20		.98	.06			.53	1.03	2.63	.98	.90	.31			.15	T.						.04		9.49
Mountain Grove	White						.40	.30	.25	1.08	2.32	.75			.15	.15	.70	.05	1.90	1.85	.47				.15			.20			.32		11.04
Mount Vernon	Neosho							.55	.35	3.10	2.35	.55			.15		.30	2.15	7.25	1.50	1.32		T.	.10	.90	.10	.61	.60		.10	.10	.12	21.60
Neosho	do		T.					.50	.60	3.44	3.41	.42			T.	.05	.05	4.45	5.36	1.66	.10			.04	.48	T.	T.	.61		.10	.18	.11	21.56
Nevada	Osage						T.	2.00	.80	.91	1.16	.21			.01	.23	.27	1.60	1.54	3.72	.37		T.	.11	.40		.29	.22		T.	T.	.04	13.88
Osceola[2]	do							.77	1.03	.05	1.76	1.00				.26	.49	1.76	2.75	2.35	.35			.12	.12	T.	T.	.08	.12		T.	.03	13.04
Ozark Beach[2]	White							.18		1.81	2.02	3.73					.09	.04	.35	.48	1.84		*	.10	.38	.10	.02	.04	.49		1.12	.06	12.85
Pleasant Hill[2]	Osage						.23	.60	1.57	.08	.83	.26		.12		.42	.16	.27	3.49	1.05	.33	T.		.16	.20						.02	T.	10.09
Roby	Gasconade						.06		.04	1.00	2.23	.71				.07	.41	.28	2.02	1.10	.51				.26		T.	.22		T.	.22	T.	9.16
St. Thomas (near)[2]	Osage							1.00	.83	.05	.53	1.82				.92	.40	1.95	2.96	1.25	.35	T.			.05	.08	.06					T.	12.26
Sedalia	Missouri		T.		.01		.29	1.40	.75	.30	.79	.35				1.01	.59	2.16	.35	2.03	.36			.17	.06		.06	.02			.03		10.73
Seligman	Neosho							.12	.65	3.81	3.71	.23				.18	.36	.60	1.01	1.73	.28		T.	.13	.66			1.21		T.	.35		15.03
Seymour (near)	White						.16	.15	.55	1.70	2.85	.54			.11	.09	.60	.57	2.83	1.90	.91			T.	.34			.29			.11	.01	13.74
Springfield [1]‡	do		T.				.09	.62	.61	2.41	2.26	.28		T.	.02	.83	T.	2.96	2.13	2.70	.02		.01	.03	.30		.13	.39		.23	.04	.09	16.15
Stover[2]	Missouri						.40	1.32	.81	.26	.85	.63				.39	.92	4.81	1.44	1.78	.19				.11		.22				.03		11.19

Continued on next page

Daily Precipitation for May 1943 —Continued from preceding page

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																	
Sweet Springs	Missouri						.09	1.29	.96	.46	.47	.09				.76	.47	2.19	.67	1.00	.46			.22	.03		T.				.06	.02	9.24
Warrensburg	....do				T.		.22	1.37	1.17	.51	.63	.06				.98	.12	2.60	1.39	.96	.68			.14	.06		.05				.03		10.37
Warsaw	...(A)..	Osage					T.	.12	1.48	1.10	.50	1.00	.80			T.	.33	.52	1.58	2.79	2.15	.42			.08	.01		.04	T.			.06		13.01
Wasola	White						.24	.32	.10	2 21	3.62	.07				T.	.18	.12		1.03	1.67	.76				.35		.02	.49		.42	.18		11 78
Waverly[2]	Missouri						.23	.31	1.64		.33	.26					.40	1.17	30	2.03	1.00	.86			.06	.12	T.					.04		8.75
Southeastern Division																																	
Advance[4]	St. Francis							.12		1.39	2.67	.06		.32	T.	.39	T.		1.05	.28	.28			T.	T.		1.01	.15			.31	T.	8.03
Alton (near)	Black									.62	2.62	2.44								.25	.56			.05	.13			.42			.10		7.19
Annapolis	St. Francis									.50	2.84	1.70					.34		2.06	.36	.28						.10	.30			.31		8.79
Arcadia[2]	....do					.03	T.	.15	1.62	.40	2.05	2.75	.05		.13	T.	.58	T.	.78	.88	1.00	.18		.06		.05		.66	.18		T.	.30	11.25
Belleview	Meramec						1.00			.40	2.50	1.50	T.	T.	T.	T.	.45		1.34	.46	.84				.06						.09		9.15
Birch Tree(near)	Black								.02	.92	4.26	1.01			.46	.01	.01		1.38	.48	.75				.14		.08	.47			.30		10.29
Bragg City	St. Francis					.03		.86	.02	.45	1.09	1.06		.03			.01		.14	.11	.33			.50	.13			.61	.02		T.	.45	5.84
Campbell	....do							.23		.58	1.67	3.40		.51			.08		.15	.60	.29			.04	.10			.42	.02		.04	.26	8.39
Cape Girardeau[2]	Mississippi					.03			.91	.11	.85	2.71	.04		.40	.06	.42	T.	.59	2.60	.24	.04		T.		.10	T.	T.	.21			.58	9.89
Caruthersville[2]	....do								.86	.15	.23	3.30	.05				.05							.55	.47	.05	.15	.15		.27		T.	6.28
Centerville[2]	Black							.08	.96	.40	2.60	2.84	.01		.08		.37		2.12	.18	.88	.11		.05		.11		.06	.21		.28	.31	11.65
Crystal City	Mississippi						*	.88		.22	*	2.90		.05		.35	.62	*	1.84	.30	.43				.23			.02			.37		8.21
Deering[2]	St. Francis								.51	.13		2.50	T.						.07	.07	.65	.21		.04	.12	.11			.55			T	4.96
Dexter[2]	....do	.15							.67	.32	.40	3.71	.03		.20	.20				.13	.17	.37		.03		.05		.44	.42			.13	7.42
Doniphan	Black							.05		.64	2.90	2.80		.20		.04	.07		T.	.18	*	.80		.06	.09		T.	.58	.03		.18	.06	8.68
Farmington	St. Francis					.05		T.	1.28	.32	3.69	1.47		.10		.12	.33	.02	1.43	.79	.47			.05		.14		.18			.15	.01	10.66
Fisk[2]	....do							.04			.89	2.89			.37		.03				.07	.46		T.		.03		.98	.29		T.	.28	6.33
Fredericktown[2]	....do					.02		.08	.40	.31	1.32	3.37			.08	T.	.31		.88	.82	.75	.03	.04			T.		.07	.17			.20	8.85
Gerald[2]	Meramec				T.			1.25	.25	.80	.25	1.20	.02				.42	.48	1.76	2.74	.48	.26	T.	.05	.10	.06	.04				.29	.65	10.50
Goodland	Black						.64	1.00	.24	.35	2.16	1.64					.02	.32		1.64	1.07	.63			.05	.05		.06	.35			.38	1.07	11.67
Greenville	St. Francis							.23		1 1	3.34	2.02			.05		.17			1.20	.23	.47			.04	.03		.40	.18			.28		9.08
Jackson	Mississippi									.28	2.60	2.05		.29			.12	.20		2.29	.96	.09			.02	.13		.06	.41			.25	.02	9.77
Jerome[2]	Gasconade							.55	.10	.70	.80	1.30					.10	.70	.20	2.00	1.50	.70			.10	.10	.10		.10			.35		9.40
Koshkonong	Black									1.00	4.10	1.30									*	.70				.30			.60			.20		8.20
Leeper[2]	....do								.10	.57	1.30	4.27			.02	.02	.01		1.04	.88	.88	.14		.10		.06		.41	.18			.49	10.47
Licking (near)	Gasconade							.09	.04	.14	.47	2.05	.75				.01	.47		2.29	1.10	.52		T.	.01	.18	T.	.02	.18			.82	.07	9.21
Malden	Mississippi							T.	.23	T.	.87	4.01	.01		.09		.15	T		.15	.83	.25		.02	.01	.04		.08	.56			.28	.24	7.82
Marble Hill	....do							T.	.09	.20	1.58	1.90		.12	.31	.20	.24	T.	2.49	.52	.34				.10			.41				.90	9.40
Meramec Park[2]	Meramec						.02		1.17	.26	.07	.57	1.32	.12			.47	.72	.66	2.04	.92	.63			T.		.07	.11	T.	T.		.08	.32	9.55
Morehouse	Mississippi							.19	.24	.25	.58	3.87		.07	.09		.38		T.	.09	.39				T.						.23	.17		.04	.35	6.94
New Madrid[2]	....do	.09							1.05	.08	.17	3.98					.11			.36	1.62	.18		.03	.07	T.		.43	.51			.04	8.72
Owensville[2]	Gasconade							.64	.30	.10	.58	1.40	.13		.25	.45		2.23	2.57	.28	.57	.13		.02		.05	.16	.15			.15	.11	10.27
Pacific[2]	Meramec					T.	T.	1.35	T		T.	1.70	.20			.59	.81	1.49	3.47	.59	.34											.55	11.09
Parma[2]	St. Francis								.10		.40	4.50									.05	.19		.04					.65	.05		.16	6.14
Perryville	Mississippi		T.		T.			*	1.02	1.05	1.05	2.01	2.18			.10	.40	*	1.19	.64	.13				T.	T.					.20	.15	10.12
Poplar Bluff[2]	....(A)..	Black	T.						T.	.76	1.10	2.64			.43			.04	T.	.06	.33	.40				T.		.70	.27			.40	7.13
Richwoods[2]	Meramec				T.	T.		.80			.86	1.86	T.			.56		.76	1.95	.78	.41	T.		.03			T.				.08	.23	8.32
Rolla[4]	....do				.02		.54	.11	.11	.97	1.25	.66		T.	.06	.81	T.	1.12	1.92	1.14	.19		T.	.03	.31		.11			.29	.19		9.83
St. Louis:																																	
City Office[1‡]	Mississippi		T.		.02		.61	1.02	.60	.25	1.12	.21	T.	.02	.12	1.24	.12	2.97	.78	.79	.09			.02	.07		.02				.13	T.	10.20
Airport[4‡]	Missouri		T.		T.	T.	1.31	.95	.35	.21	1.03	.41	T.	.01	.25	1.00	.40	3.45	.65	.63	.01			.17	.05		.02				.30	T.	11.20
St. Louis Univ.[3‡]	Mississippi		T.		T.		.79	1.10	.75	.24	1.10	.32		.02	.02	.95	.43	2.15	.92	.59	.06			.01	.10		.01				.14	T.	9.70
Washington Univ.[2‡]	....do					.02		1.50	.93		.70	1.15	.18		.01	.60	.62	1.27	3.25	.78	.20	.01		.01		.14	.01				.07	.11	11.56
Salem	Meramec							.25	.15	.31	.68	2 28	.05				T.	.35	.03	1.47	1.05	1.07	.40		.05	.03	.12		.09	.13		T.	.39	8.90
Sikeston[2]	Mississippi	.06						.45			.14	2.75	.02		.20	T.	.31	T.		.03	.53	.79		.04	T.	T.		T	.33		.03	.01	5.69
Union	Meramec						.27	.88		.55	.21	.85	.78				.36	.27	1.90	1.82	.61	.01			T	.12		.08				.33	.02	9.06
Valley Park[2]	.... do						T.	1.23	.97	T	.62	1.16	.24		T.	.47	.75	1.49	2.70	.47	.35	T.		.02	T.	.24		.04			.04	.23	11.02
Van Buren	Black									.65	3.73	2.00							.10	.20	.38				.05			.35			T.		7.46
Wappapello Dam[2]	St. Francis	T.							.07	.38	1.00	2.47	.03		T.	T.	.05	T.	.13	.27	.37	.19		.02		.03		.10	.15		.01	.25	5.52
Weingarten	Mississippi							1.10	1.20	.20	2.80	1.90				.01	.32		1.10	2.10	.50			.01	.20		.01				.01		11.46
West Plains[4]	Black						T.	T.	.11	1.43	3.96	T.		T.	T.	T.			T.	.63	.50		.04		.30		T.	.43		.24	.29		7.93
Williamsville[2]	....do	.07							.03	.39	1.11	4.00	.02		.01	.03	.03		.24	.13	.49	.50		.04	.05	.05		.22	.15		.05	.10	7.71
Willow Sprgs. (near)[2]	White							.23	.06	.95	1.57	2.66				.10	.18	T.	1.44	.71	1.84	.94		.03	T.	.25	.13		.28	.37	.09		11.83
Zalma(near)	Mississippi							.02		.33	1.66	1.85		T.	.20	.03	.11		1.25	.26	.44			.02			.01	.42			.05	.26	6.91
Cairo, Ill [1‡]	....do		T.		T.	T.		.50	T.	.15	3.24	.13		.39	T.	.03	.09		T.	.27	.35			.03	.04		.28	.48			.03	.10	6.11

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. ‖‖‖ Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for May 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.259	.327	.295	.263	.405	.521	.107	.033	.019	****	.001	.063	.206	.100	.091	.282																
	Mean temperature	60	68	63	68	76	78	54	50	53	58	60	63	54	56	66	68	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Wind movement	51	69	64	28	84	112	34	51	35	22	40	41	40	44	48	94	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.242	.214	.146	.270	.138	.338	.202	.062	.035	.007	.021	.029	.178	.092	.065	.088	.253	....	.064	.034	.078	.152	.115	.101	.085	.127	.194	.077	.214	.197	.048	3.995
	Mean temperature	52	68	61	62	74	74	56	51	55	62	58	62	54	55	68	71	67	66	66	64	60	64	66	65	60	66	64	71	73	72	77	64.0
	Wind movement	85	55	49	58	59	84	54	60	58	10	30	43	46	68	38	52	30	26	31	11	48	21	17	18	35	23	28	16	23	36	44	1,256

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. **** —.026.

Daily Temperatures for May 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	67	80	71	77	89	74	53	60	55	63	66	72	53	56	73	70	62	60	64	65	77	81	65	71	68	74	81	87	89	83	87	70.7
	Minimum	46	45	48	47	57	61	52	42	43	50	54	48	47	46	49	50	50	53	53	55	46	46	54	56	51	50	53	53	56	66	68	51.5
Chillicothe §§	Maximum	67	79	70	78	87	69	69	63	54	58	70	65	54	60	73	67	58	61	66	63	77	77	63	71	69	74	83	86	89	83	85	70.6
	Minimum	42	42	44	49	56	59	49	41	41	50	52	48	45	44	48	47	48	51	51	51	46	48	51	55	47	47	51	54	61	65	66	50.0
Columbia	Maximum	68	82	70	77	91	78	58	58	60	66	65	74	55	59	80	74	64	65	75	62	74	75	65	73	68	78	79	86	88	80	87	72.1
	Minimum	45	59	51	56	63	58	45	45	50	57	50	47	51	49	54	53	58	55	57	47	44	55	56	54	53	53	54	56	64	67	67	54.0
Fayette	Maximum	65	79	73	76	90	79	63	54	58	64	65	72	60	57	72	72	64	63	71	65	75	74	67	71	69	75	78	84	87	81	85	71.2
	Minimum	41	57	45	54	61	59	43	42	47	53	52	42	45	47	49	50	53	52	54	53	42	50	53	54	49	48	50	53	61	65	66	51.3
Grant City	Maximum	65	77	69	76	86	79	57	64	68	57	72	63	63	61	69	62	57	64	60	66	77	76	67	68	67	70	85	86	87	80	79	70.2
	Minimum	37	55	35	54	64	51	40	39	48	49	51	45	43	42	48	47	46	48	52	49	44	50	55	52	43	43	44	54	63	66	68	49.2
Hannibal	Maximum	63	80	67	65	90	77	60	59	57	62	67	73	56	62	70	71	61	62	60	57	73	76	65	72	64	74	79	85	88	77	85	69.6
	Minimum	39	53	45	49	57	59	44	44	47	49	50	49	46	45	51	52	52	52	51	48	44	55	55	54	51	51	54	55	63	66	67	51.5
Kansas City Airport	Maximum	70	80	71	89	88	72	54	58	55	58	73	63	53	54	78	67	59	60	62	68	75	74	67	72	72	78	81	87	88	83	87	70.8
	Minimum	50	62	51	56	66	54	44	43	50	52	54	49	45	50	53	49	53	52	55	52	48	54	57	57	50	58	59	64	69	69	66	54.5
Kirksville	Maximum	68	78	74	69	88	87	72	64	65	59	73	73	57	62	69	71	73	63	60	59	79	77	77	73	67	75	86	89	91	88	85	73.3
	Minimum	36	50	44	50	57	60	43	41	47	50	51	50	43	41	51	48	49	49	52	50	45	53	55	56	46	49	50	58	64	67	68	50.7
Lawson	Maximum	68	79	76	84	87	77	64	62	53	58	73	70	52	55	74	68	59	61	60	65	76	77	67	68	69	73	82	84	89	82	86	70.9
	Minimum	40	57	41	51	67	57	42	41	42	50	55	42	42	42	49	43	49	49	54	52	45	52	54	52	45	52	52	58	65	67	63	50.6
Louisiana §§	Maximum	63	81	81	67	92	78	60	60	60	63	68	73	53	63	71	73	65	67	58	65	74	57	67	72	65	75	79	85	89	78	86	70.6
	Minimum	34	37	49	49	54	51	52	46	46	50	53	45	46	47	50	56	55	55	56	43	45	45	43	45	53	49	50	52	57	63	68	49.8
Macon §§	Maximum	65	78	70	70	87	75	53	62	55	62	69	73	52	60	69	70	61	60	60	58	77	75	64	70	64	72	80	85	87	80	85	69.3
	Minimum	35	37	43	45	55	59	50	42	43	48	52	47	45	43	46	50	50	51	50	51	44	45	53	54	48	49	50	53	60	65	66	49.3
Maryville	Maximum	65	78	72	79	87	82	62	62	59	56	71	69	61	60	68	60	57	63	60	67	74	74	70	67	66	69	78	83	89	84	80	70.1
	Minimum	42	51	37	55	68	49	42	37	48	48	48	45	43	44	48	44	46	47	53	45	48	53	55	50	43	47	49	55	67	66	63	49.5
Mexico §§	Maximum	69	82	71	72	92	77	59	60	62	65	67	73	54	60	75	76	64	66	74	60	76	78	65	74	69	79	81	89	90	80	89	72.5
	Minimum	35	45	46	49	55	60	52	45	46	49	52	45	50	48	49	51	53	55	55	55	42	49	55	55	53	53	53	53	55	63	67	51.8
Moberly §§	Maximum	67	82	72	77	91	76	56	61	58	64	68	76	51	59	71	72	64	61	63	60	80	76	70	73	66	75	81	86	88	84	86	71.4
	Minimum	38	44	45	49	56	60	52	43	44	49	52	47	47	46	49	50	52	53	53	41	52	54	55	49	52	51	54	63	66	66	66	51.1
Oregon	Maximum	68	78	75	87	90	84	61	64	58	58	78	70	65	59	72	65	59	64	60	70	77	76	69	70	70	73	83	89	90	84	85	72.6
	Minimum	43	59	41	56	68	55	42	39	48	47	48	45	42	45	46	44	46	47	52	46	50	55	54	50	44	49	51	60	68	65	62	50.5
St. Charles §§	Maximum	64	85	73	67	94	78	62	55	60	69	63	73	61	61	79	74	67	70	69	65	72	74	70	73	67	82	83	86	87	77	88	72.2
	Minimum	41	48	52	54	55	57	52	48	47	54	54	48	49	51	50	59	64	62	60	60	49	52	59	59	54	54	54	54	61	64	68	54.6
St. Joseph	Maximum	67	78	70	87	88	68	54	61	53	58	73	59	61	56	75	64	54	64	57	69	76	75	63	67	70	72	82	86	88	82	84	69.7
	Minimum	45	61	46	68	59	54	40	41	50	50	50	46	45	48	51	46	50	49	52	50	48	54	56	53	48	53	53	62	69	67	64	52.2
Trenton	Maximum	65	78	76	74	88	86	66	64	64	59	72	72	61	61	71	65	60	65	62	66	76	77	70	69	67	71	86	86	89	86	85	72.2
	Minimum	41	56	44	50	65	56	49	41	49	50	53	48	44	45	50	48	50	51	52	50	45	51	56	54	45	50	51	55	64	67	65	51.5
Unionville §§	Maximum	68	78	75	79	87	75	60	65	60	65	75	65	68	62	68	68	64	65	69	65	80	80	69	72	68	81	82	85	90	82	90	72.9
	Minimum	35	36	40	40	50	56	47	40	40	47	50	50	42	40	42	46	46	48	48	50	46	47	51	55	45	45	47	49	58	64	65	47.3
Warrenton	Maximum	66	83	76	68	91	82	66	53	..	..	65	71	66	54	81	78	69	69	72	67	72	74	69	72	70	77	75	82	87	77	84	[b]73.0
	Minimum	42	54	49	53	54	61	49	45	..	..	47	49	49	45	52	56	60	60	56	55	43	54	59	56	51	53	56	56	60	65	67	[b]53.7
Keokuk, Iowa	Maximum	61	71	65	64	90	73	60	61	53	63	68	70	55	62	70	68	57	59	56	54	75	79	65	71	59	72	81	84	89	77	85	68.3
	Minimum	40	55	46	53	59	60	46	45	45	53	50	51	44	45	52	53	51	50	50	48	44	57	57	56	49	54	53	56	66	68	71	52.5
Southwestern Division																																	
Clinton	Maximum	71	83	72	85	89	77	55	55	60	62	65	73	53	62	77	71	68	63	75	70	74	71	65	76	71	78	80	85	85	83	88	72.3
	Minimum	48	59	54	54	67	55	43	43	50	56	53	46	48	49	56	48	59	53	56	52	47	55	55	56	52	56	58	57	64	68	63	54.2
Eldon §§	Maximum	75	84	71	81	91	75	57	53	59	65	62	74	55	61	82	76	66	64	72	64	72	71	68	73	75	79	78	85	87	81	86	72.3
	Minimum	43	45	53	52	56	63	50	45	45	49	55	49	51	48	48	51	51	61	57	57	45	45	54	55	52	51	54	58	57	61	65	52.5
Harrisonville §§	Maximum	68	83	71	87	86	66	53	55	58	59	66	68	51	63	76	78	69	59	68	71	72	73	68	72	72	78	78	83	85	82	85	71.1
	Minimum	48	50	47	50	59	59	50	42	43	49	53	50	45	46	47	44	50	51	51	52	44	54	55	55	48	53	57	58	64	68	62	51.7
Jefferson City §§	Maximum	69	83	71	78	91	74	58	55	59	64	64	75	55	60	83	76	65	65	75	62	74	73	69	73	71	79	79	85	88	80	85	72.2
	Minimum	42	44	49	51	56	63	51	46	46	52	54	51	52	49	49	53	56	61	57	57	45	46	55	57	53	53	55	57	58	66	66	53.2
Joplin	Maximum	75	89	76	86	88	78	70	52	62	62	66	75	61	64	78	80	80	67	69	66	68	66	68	72	74	79	76	83	81	80	85	73.4
	Minimum	49	66	68	62	71	70	48	45	52	57	54	54	52	52	63	52	63	56	61	55	50	60	58	59	55	60	65	61	70	69	68	58.9
Lamar §§	Maximum	68	82	72	83	84	72	58	51	60	60	64	70	60	62	75	73	78	60	68	63	66	66	65	69	71	76	73	80	82	78	83	70.1
	Minimum	47	45	54	52	56	65	52	43	43	51	53	50	50	49	49	47	47	55	54	55	47	47	54	54	50	52	56	56	56	65	61	52.1
Lebanon §§	Maximum	70	85	72	79	88	72	66	52	63	62	66	77	54	67	81	83	..	72	80	66	75	69	77	78	77	85	80	84	88	85	90	[a]74.6
	Minimum	44	44	50	49	55	62	51	43	43	49	52	45	49	47	47	51	50	..	56	56	40	42	52	53	48	49	54	50	52	62	63	[a]50.3
Lexington §§	Maximum	70	82	72	84	85	73	52	60	55	59	73	73	53	59	77	71	58	60	63	69	77	75	66	72	72	77	81	85	88	83	86	71.3
	Minimum	44	45	47	49	58	61	50	42	41	51	54	49	46	46	49	47	50	52	52	53	48	52	55	56	50	53	57	61	63	68	65	52.1
Marshall	Maximum	66	79	69	82	90	88	67	58	60	61	65	74	69	57	73	76	67	67	68	66	78	74	70	71	69	74	79	85	88	86	86	72.8
	Minimum	43	47	49	56	67	62	46	43	46	50	56	59	47	49	52	50	51	55	57	54	48	54	54	55	49	54	56	59	66	65	67	53.7
Mountain Grove	Maximum	67	87	80	75	86	83	76	74	64	64	62	76	76	60	78	81	79	75	74	74	69	69	70	69	70	78	73	77	83	77	82	74.5
	Minimum	44	53	52	53	55	62	58	46	48	57	54	53	53	48	56	58	65	60	58	57	45	53	55	58	50	54	57	51	59	64	64	54.8
Neosho	Maximum	75	88	82	87	87	86	79	79	61	62	67	79	77	68	78	80	82	82	74	74	69	68	69	70	74	82	81	84	85	86	85	77.4
	Minimum	42	61	47	58	53	70	59	45	52	58	53	47	52	52	61	49	60	60	58	57	43	55	56	59	47	52	61	54	65	66	67	55.5
Nevada	Maximum	72	85	79	88	87	85	74	53	60	62	71	73	68	66	79	75	80	72	73	72	71	73	69	73	74	80	80	84	84	82	87	75.2
	Minimum	45	58	50	53	61	70	48	42	47	53	52	50	47	47	56	45	59	52	55	53	43	54	54	56	50	51	57	55	62	66	61	53.3
Sedalia	Maximum	68	70	81	83	89	87	67	56	60	64	66	70	69	60	75	75	69	64	76	69	72	73	70	72	71	78	79	85	81	85	87	73.4
	Minimum	46	54	50	56	66	56	50	43	50	55	55	48	48	48	52	48	59	55	55	54	45	55	55	59	51	54	56	58	54	65	66	53.7
Springfield	Maximum	68	85	73	79	86	73	73	53	61	61	61	76	62	63	78	80	78	74	73	64	69	65	67	69	70	76	72	77	83	78	83	71.9
	Minimum	46	55	51	57	61	65	48	45	50	55	51	47	51	50	60	51	61	61	60	50	45	56	56	55	49	53	58	53	63	66	64	54.6
Warrensburg	Maximum	69	81	78	84	87	84	66	64	59	60	68	69	67	58	75	76	75	68	70	68	74	73	67	73	72	78	79	85	87	83	86	73.5
	Minimum	47	59	50	56	68	62	55	43	42	52	54	49	47	48	52	52	48	52	56	53	48	56	55	56	51	55	58	60	65	68	64	54.2
Southeastern Division																																	
Arcadia §§	Maximum	69	91	79	73	90	79	80	65	61	72	65	80	66	63	84	83	83	75	75	67	74	73	75	72	75	80	70	83	86	78	84	75.8
	Minimum	36	40	53	49	50	53	60	53	48	49	57	50	50	48	48	58	65	60	60	60	47	47	50	56	45	46	54	46	48	55	65	51.8
Birch Tree (near)	Maximum	70	91	82	81	89	84	80	73	68	70	65	78	75	61	80	81	82	78	75	73	71	71	72	69	72	80	70	80	83	76	83	76.2
	Minimum	47	51	48	52	52	69	67	51	49	58	56	56	55	55	56	56	68	62	62	59	47	50	56	51	45	56	56	..	..	65	66	[b]55.9
Caruthersville §§	Maximum	66	90	79	74	90	86	84	77	77	84	68	77	83	69	85	84	86	83	86	77	70	75	75	75	78	83	78	73	84	82	81	79.3
	Minimum	50	48	55	55	57	60	67	65	54	55	60	57	57	50	56	67	70	70	67	64	55	55	58	62	56	52	54	57	58	63	68	58.8
Crystal City	Maximum	67	86	75	73	92	80	69	59	59	72	64	75	65	60	84	82	82	75	75	71	72	72	74	73	72	82	70	84	87	78	86	74.7
	Minimum	39	53	53	55	45	65	52	50	49	52	54	48	50	47	58	57	56	54	57	50	56	47	48	48	48	48	56	48	56	65	67	54.3
Doniphan	Maximum	70	92	90	81	90	89	84	82	75	83	69	78	86	67	86	79	87	85	81	75	73	76	78	75	77	83	80	79	91	80	87	80.9
	Minimum	51	46	54	47	52	70	66	57	52	62	60	60	59	52	49	70	69	67	64	63	49	53	59	55	50	45	60	54	51	65	68	57.4
Farmington	Maximum	66	90	77	70	90	80	70	64	57	73	63	78	68	63	83	84	83	75	72	67	73	73	74	70	73	80	72	82	85	80	84	74.8
	Minimum	39	51	55	52	54	69	55	48	49	55	53	53	49	47	55	61	68	61	62	57	48	48	58	48	48	48	56	48	56	65	67	54.3
Jackson	Maximum	68	84	88	74	90	90	83	78	65	76	64	80	80	65	84	82	86	81	75	72	72	77	76	74	78	81	78	83	86	86	84	78.7
	Minimum	41	50	56	54	56	71	67	55	51	60	56	53	52	50	58	67	69	64	65	62	53	54	59	61	51	48	58	54	55	69	67	57.6
Poplar Bluff	Maximum	84	91	84	81	90	84	80	76	73	80	74	79	82	66	85	78	86	85	80	73	74	76	79	74	80	83	78	81	84	87	87	80.5
	Minimum	48	52	58	57	49	70	64	54	52	62	60	59	61	52	58	68	68	66	66	62	51	56	63	56	51	47	60	52	56	57	68	58.3
Rolla	Maximum	69	85	70	74	89	76	65	52	59	63	61	79	62	62	82	82	72	71	70	63	69	66	68	69	69	78	70	82	85	77	84	71.7
	Minimum	43	56	52	56	60	63	52	46	49	58	54	56	48	48	56	58	62	62	59	47	44	55	55	54	51	53	58	58	58	65	67	54.9
St. Louis	Maximum	61	85	68	66	92	79	65	55	59	70	62	73	65	58	83	81	70	70	70	66	70	74	72	70	68	79	78	83	86	76	85	72.1
	Minimum	43	52	53	54	54	65	51	47	52	59	53	55	50	49	56	61	62	64	61	53	50	60	62	60	55	56	61	59	65	68	69	56.7
Salem §§	Maximum	68	88	70	74	86	75	75	53	62	65	61	80	59	65	82	83	82	76	65	61	70	72	70	69	70	80	70	81	84	76	85	72.8
	Minimum	45	45	52	53	55	61	57	47	48	52	55	55	56	49	49	59	59	62	61	60	44	44	50	56	50	52	54	48	51	60	66	53.4
Sikeston §§	Maximum	66	90	80	73	93	87	80	74	75	82	67	81	81	65	85	82	88	85	83	75	72	75	77	75	81	84	78	81	89	83	85	79.7
	Minimum	42	48	56	52	52	55	67	65	54	54	62	55	61	52	53	64	67	70	67	63	54	54	59	60	52	53	42	53	55	65	69	57.3
Union	Maximum	68	88	79	72	93	87	67	58	59	67	67	76	68	68	81	81	74	73	74	69	73	73	71	74	71	81	76	87	89	86	88	75.4
	Minimum	35	51	50	54	50	61	52	48	45	56	54	48	52	47	54	58	63	61	59	59	44	51	56	58	47	46	52	49	53	65	68	53.1
West Plains	Maximum	69	91	79	76	90	82	81	67	79	69	65	78	77	63	82	83	84	83	74	68	70	70	72	70	73	82	66	78	86	76	84	76.4
	Minimum	49	51	49	51	51	68	60	52	50	60	55	57	53	51	58	64	68	65	63	49	47	49	58	50	47	46	53	50	51	65	66	55.0
Cairo, Ill.	Maximum	63	89	76	70	91	86	80	72	75	82	67	79	79	65	84	80	87	80	83	74	73	75	76	75	79	83	78	80	88	81	84	78.4
	Minimum	48	53	61	56	57	71	67	55	54	63	59	58	56	54	61	69	72	69	65	60	56	59	62	61	57	55	59	57	61	70	71	60.5

*, [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. || Partially estimated.

WBO, St. Louis, 6-26-43—1200.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII JUNE 1943 No. 6

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GENERAL SUMMARY

June was warm and wet over much of the State, further delaying the planting and cultivation of crops. High water in the major streams of the State prevailed throughout most of the month and lowlands remain inundated. Serious floods again occurred in the Missouri and Mississippi Rivers, but stages were not as high as during May, except in the Missouri River above Jefferson City, where they were higher and caused serious crop losses.

Precipitation was very irregularly distributed, with monthly totals ranging from 15.71 inches at St. Joseph to 1.56 inches at Campbell. Although the State average was 6.39 inches, the month was not as wet as June 1942 when the average was 7.70 inches. The Northern and Southwestern Divisions received the greatest amounts of precipitation, with averages of 7.58 inches and 7.06 inches, respectively, while the Southeastern Division had an average of 4.54 inches; all of these are more than their respective normals, but less than the averages for June of last year. Rain occurred very frequently during the first three weeks of the month, but there was a cessation during the last week, which afforded the first opportunity to get into fields since the last week of May, in most sections.

The temperature during June was rather high, and due to the relatively high humidity, made the month seem warmer than the average of 75.8°. There were no unusual extremes of temperature recorded. A general and pleasant relief from the heat occurred on the 28th and continued until the close of the month; night readings were generally in the forties and fifties, and afternoon readings in the seventies or low eighties. The 30th was the coolest day of the month.

Continued rainy weather the first three weeks of June was very unfavorable for farm work and as a result much corn remained unplanted and cultivation of crops and haying operations were interrupted and delayed until the closing week. Corn fields were grassy and weedy, although the warm nights were favorable for good growth of that crop.

Wheat and oats matured and harvest was begun the latter part of the month. Pastures and grasses made good growth and were in excellent condition during June. Truck and garden crops improved, but needed cultivation, until this work began during the closing week. Chopping of cotton was completed in southeastern counties by the end of the month. Fruit prospects were only fair to poor, except a good crop of wild blackberries was expected in central and southern sections of the State.

Due to the lateness of the season, all farm activities were being pushed to the limit, with voluntary help being recruited to relieve the shortage of farm labor. In many areas businessmen, firemen, servicemen, and students were responding to the urgent call for help to work in the fields.—M. R. W.

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 75.8°, or 2.2° warmer than the average of the past 56 Junes. The highest monthly mean was 81.5° at Campbell, and the lowest was 72.0° at Tarkio. The highest temperature recorded was 101° at Shelbina on the 27th, and the lowest was 43° at Edgerton, on the 30th.

PRECIPITATION

The average for the State, 156 stations reporting, was 6.39 inches, or 1.67 inches more than the 56-year June average. The greatest monthly amount was 15.71 inches at St. Joseph,

(Continued on page 33)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30 30*	30	29.42*	3	6.8	24	nw.	15	90*	67*	69*	51	0
Kan. City Airp't.	30.28	30	29.32	2	11.6	40	s	2	83	63	59	65	2
St. Joseph	30.28*	30	29.27*	2	8.6	26	e.	7	87*	60*	62*	65	9
St. Louis	30.30*	30	29.52*	2	10.6	32	sw.	2	80	58	68*	66	1
Springfield	30.24	30	29.51	3	8.9	31	s.	3	91	69	73	67	5
Cairo, Ill.	30.24	30	29.67	3	7.3	26	sw.	2	83	62	..	78	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 In. or more	Clear	Partly cloudy	Cloudy
1888	72.6	103	36	5.81	5.98	5.96	5.50	0	7	..	..	..
1889	70.7	100	38	4.66	4.29	4.57	5.13	0	6	..	..	..
1890	77.2	106	44	2.45	3.14	2.49	1.71	0	6	..	..	..
1891	73.2	103	46	6.56	5.61	7.99	6.08	0	13	..	..	..
1892	74.5	100	45	3.09	3.04	3.72	2.52	0	7	15	9	6
1893	72.6	98	40	4.72	4.92	3.91	5.32	0	9	12	12	6
1894	74.5	105	35	3.74	4.28	4.92	2.03	0	7	16	11	3
1895	73.3	100	42	5.87	6.07	6.33	5.20	0	10	12	11	7
1896	72.5	101	45	3.98	3.32	3.63	5.00	0	9	12	11	7
1897	73.6	102	38	6.25	6.49	5.74	6.51	0	12	9	14	7
1898	75.3	100	49	5.92	6.32	6.54	4.90	0	11	13	12	5
1899	74.3	101	42	3.52	3.71	4.83	3.21	0	9	15	10	5
1900	73.3	103	44	5.05	3.71	5.06	6.37	0	10	12	12	6
1901	77.9	106	40	2.02	2.67	1.47	1.92	0	6	18	10	2
1902	70.9	100	37	6.42	6.64	6.95	5.68	0	12	11	10	9
1903	67.3	95	36	3.28	2.96	3.78	3.09	0	9	15	9	6
1904	70.5	93	45	6.68	5.31	8.23	6.51	0	11	12	12	6
1905	75.2	103	42	3.14	2.84	3.06	3.52	0	7	15	10	5
1906	72.7	101	40	4.82	3.28	6.62	4.55	0	10	15	9	6
1907	71.2	97	40	5.47	5.76	6.40	4.24	0	11	14	10	6
1908	72.3	98	43	6.01	6.92	6.78	4.33	0	11	13	10	7
1909	73.9	98	48	5.23	5.96	5.78	3.95	0	11	11	13	6
1910	70.4	99	38	4.11	3.08	4.69	4.57	0	8	16	7	7
1911	78.9	112	43	1.76	0.93	1.59	2.77	0	6	18	8	4
1912	69.5	100	42	4.77	3.31	5.39	5.62	0	9	14	8	8
1913	75.4	107	33	2.55	3.01	2.31	2.32	0	6	18	8	4
1914	79.3	106	43	2.26	3.11	2.50	1.17	0	5	18	7	5
1915	70.8	98	38	6.45	7.53	7.24	4.57	0	12	11	10	9
1916	70.0	100	42	5.86	5.05	6.50	6.04	0	10	14	9	7
1917	71.0	103	35	3.67	5.72	2.20	3.10	0	8	19	7	4
1918	77.2	110	48	3.09	3.04	3.20	3.04	0	7	17	8	5
1919	75.0	104	44	5.58	5.04	6.24	5.47	0	11	14	10	6
1920	72.7	104	41	2.35	3.09	2.14	1.83	0	6	18	7	5
1921	76.6	105	44	5.81	4.74	7.74	4.96	0	12	12	10	8
1922	76.5	108	43	1.61	1.72	1.39	1.72	0	5	19	8	3
1923	73.5	103	45	5.56	5.30	6.52	4.87	0	11	14	9	7
1924	72.5	101	38	7.27	8.53	7.70	5.57	0	14	12	12	6
1925	76.5	103	46	5.99	7.68	4.99	5.31	0	9	15	10	5
1926	70.9	101	37	3.60	5.02	3.79	1.99	0	8	15	9	6
1927	70.3	99	41	5.81	5.38	6.77	5.28	0	10	15	8	8
1928	67.7	91	40	11.25	8.59	11.03	14.12	0	15	8	11	11
1929	71.3	99	39	5.69	6.57	5.98	4.52	0	10	16	8	6
1930	72.4	109	36	3.77	5.17	4.63	1.52	0	7	18	8	4
1931	77.1	107	40	2.75	4.09	1.81	2.35	0	6	19	8	3
1932	75.2	103	47	4.81	5.53	6.09	2.82	0	10	12	12	6
1933	78.4	107	38	1.47	2.89	0.92	0.61	0	3	22	6	2
1934	80.4	108	47	2.82	2.92	2.72	2.83	0	7	17	10	3
1935	69.6	98	39	8.95	6.73	11.06	9.07	0	15	9	12	9
1936	76.5	112	40	1.42	1.30	1.38	1.57	0	4	21	6	3
1937	74.4	105	43	4.93	3.43	5.79	5.56	0	10	14	10	6
1938	72.4	98	44	4.77	4.20	5.04	5.06	0	10	13	11	6
1939	74.6	99	41	5.64	7.70	5.38	3.83	0	12	11	13	6
1940	73.5	98	44	4.36	4.24	5.10	3.75	0	8	13	10	7
1941	74.1	103	43	4.23	4.79	5.12	2.78	0	9	14	9	7
1942	73.3	98	35	7.70	8.01	8.45	6.64	0	14	9	10	11
1943	75.8	101	43	6.39	7.58	7.06	4.54	0	12	12	11	7
Period	73.6	112	33	4.72	4.79	5.09	4.27	0	9	14	10	6

NAT. HIST.

Climatological Data for June 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	72.9[b]	.....	95	27	47	30	14	10.50	+5.26	2.50	10	0	17	15[a]	9[a]	5[a]	s.	Curtis E. Grace
Bethany	Harrison	916	48	72.7	+ 0.7	93	26	48	30	50	9.82	+4.76	....	.....	0	12	17	6	7	se.	A. S. Cumming
Brookfield	Linn	767	2	75.6	.....	95	26	48	30	2	10.69	.....	2.39	16	0	13	15	7	8	sw.	E. W. Patrick
Brunswick	Chariton	652	62	75.0	+ 2.0	95	26†	52	30	64	8.48	+3.37	2.15	16	0	15	11	8	11	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	74.4	.....	94	26	51	30	13	2.90	−1.88	0.70	16	0	13	11	10	9	s.	Lockmaster
Chillicothe	Livingston	779	34	74.0	+ 1.7	94	26†	49	30	37	9.06	+4.33	2.72	16	0	14	18	1	11	sw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	74.6	+ 2.2	93	25†	47	30	34	8.17	+3.78	2.69	22	0	13	12	7	11	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	75.6	+ 2.1	94	20	51	30	53	8.02	+3.26	2.82	8	0	10	7	12	11	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	73.8	+ 2.3	94	26	50	30	59	9.44	+4.49	2.30	5	0	12	10	14	6	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	75.6	+ 3.7	93	24	43	30	40	9.72	+4.85	3.07	8	0	10	6	20	4	s.	LeRoy Mindrup
Elsberry	Lincoln	449	12	75.6	+ 1.2	95	27	58	30	12	6.58	+3.14	2.65	4	0	7	8	22	0	sw.	John Dowell
Fayette	Howard	760	63	73.8	+ 1.0	93	26	49	30	60	8.71	+4.14	3.78	23	0	12	14	6	10	s.	Irvin E. Schnell
Fulton	Callaway	818	55	75.2	+ 2.0	94	26†	49	30	51	6.88	+2.48	2.05	4	0	14	14	8	8	s.	Frank E. Hillgartner
Grant City	Worth	1,134	39	72.6	+ 1.8	93	25†	48	30	51	10.97	+5.97	1.91	5	0	15	12	9	9	sw.	Howard Rybolt
Hannibal	Marion	759	51	74.2	+ 1.7	94	27	49	30	59	2.66	+1.24	0.58	10	0	7	8	12	10	sw	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	76.6	+ 3.0	97	25	55	30	54	7.66	+2.98	1.93	7-8	0	12	5	11	14	s.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	76.4	.....	94	26†	52	30	5	6.06	.....	1.53	8	0	12	11	9	10	n.	University of Kansas City
Kidder	Caldwell	1,020	51	74.0	+ 2.2	93	27	48	30	55	12.98	+8.01	5.10	16	0	14	9	14	7	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	75.0	+ 3.3	96	27	47	30	61	7.27	+2.21	1.40	16	0	13	8	12	10	sw.	P. O. Selby
Lawson	Ray	1,070	5	75.0	.....	95	26†	47	30	5	10.70	.....	3.03	8	0	11	17	10	3	sw.	Frank G. Gstrein
Louisiana	Pike	469	49	75.0	+ 2.9	98	20	50	30	62	7.48	+3.25	3.00	11	0	9	21	8	1	s.	Stark Bro's Nurseries
Macon	Macon	875	44	73.0	+ 0.6	93	25†	47	30	50	7.27	+2.55	1.84	16	0	15	11	3	16	se.	John W. Atwell
Maryville	Nodaway	1,169	53	73.0	+ 3.2	95	27	50	4†	49	13.46	+8.35	2.78	5	0	14	13	6	11	sw.	R. B. Montgomery
Memphis	Scotland	787	4	73.0	....	97	25	48	9†	13	5.91	+0.78	1.94	6	0	14	13	5	12	sw.	John W. Alexander
Mexico	Audrain	800	54	76.1	+ 2.9	96	20†	49	30	65	5.86	+1.12	0.98	7	0	15	12	10	8	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	74.8	.....	93	25†	47	30	6	7.00	.....	2.22	22	0	16	7	10	13	sw.	Moberly Water Dept.
New Florence, 1 mi SE	Montgomery	885	0	74.2	.....	92	20†	49	30	1	4.94	.....	1.50	5	0	11	5	12	13	s.	U. S. Weather Bureau
Oregon	Holt	1,048	87	75.2	+ 3.0	98	25†	50	30	87	10.89	+5.52	2.10	6†	0	10	16	12	2	sw.	Miss Mina Wright
St. Charles	St. Charles	520	55	77.1	+ 3.2	95	20†	55	30	65	4.81	+0.81	1.27	21	0	12	21	7	2	s.	Martin L. Comann
St. Joseph	Buchanan	957	33	75.1	+ 1.4	96	26	52	4	71	15.71	+10.76	6.81	15-16	0	14	16	10	4	s.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	75.4	.....	94	25†	52	30	5	2.63	.....	0.52	7	0	12	14	11	5	sw.	Lockmaster
Shelbina	Shelby	779	2	75.8	.....	101	27	45	30	50	4.69	+0.21	1.45	23	0	11	23	3	4	s.	Guyman Hatcher
Steffenville	Lewis	650	45	74.2	+ 1.6	95	27	45	30	50	5.98	+1.44	1.57	16	0	11	12	7	11	sw.	Samuel D. Gross
Tarkio	Atchison	916	40	72.0	+ 0.2	95	26†	48	6	49	9.97	+5.01	1.46	9	0	13	12	10	8	sw.	Albert Volker
Trenton	Grundy	822	47	74.8	+ 2.6	95	26	49	30	48	8.32	+3.28	1.68	10	0	16	11	14	5	s.	W. H. Estes
Unionville	Putnam	1,062	50	74.8	+ 3.5	98	25	46	30	50	6.69	+1.50	0.80	1†	0	17	9	15	6	sw.	C. D. Wilson
Warrenton	Warren	816	61	74.7[c]	+ 1.3	93	20†	50	30	53	6.57	+2.79	1.67	6	0	12	15	11	4	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	74.6	+ 2.1	95	25†	53	8	71	4.46	+0.33	0.98	13	0	12	9	14	7	sw.	U.S. Weather Bureau
Division means	**and extremes**	.....	..	**74.6**	**+ 2.1**	**101**	**27**	**43**	**30**	..	**7.58**	**+2.79**	**6.81**	**15-16**	**0**	**13**	**12**	**10**	**8**	**sw.**	
Southwestern Division																					
Anderson†††	1½ mi SW McDonald	1,000	39	....	.....	..	..	..	..	44	....	.....	....	.....	....	..	..	..	..	.....	Mrs. D. E. Taylor
Appleton City	St. Clair	813	48	75.0	+ 0.6	92	25	51	30	51	9.92	+4.20	4.48	4	0	11	10	7	13	sw.	Rolla Brown
Bolivar	Polk	1,071	40	75.2	+ 2.4	92	26	51	30	48	7.55	+2.24	1.48	22	0	12	12	15	3	sw.	Southwest Baptist College
Boonville	Cooper	650	5	74.4	.....	93	26	50	30	66	9.57	+4.52	2.57	8	0	15	10	7	13	se.	Boonville Water Dept.
Carthage	Jasper	962	9	77.0	.....	94	25	52	30	19	4.89	.....	1.26	16	0	10	10	19	1	sw.	Carthage W. and E. Plant
Clinton	Henry	786	50	75.6	+ 1.8	95	26	50	30	56	12.71	+7.81	7.00	3	0	10	9	13	8	s.	U. S. Weather Bureau
Eldon	Miller	934	48	74.9	+ 1.9	93	25	50	30	44	6.18	+2.14	1.08	5	0	12	14	7	9	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	76.9	.....	98	26†	50	30	2	5.29	.....	1.89	21	0	9	11	17	2	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	74.3	+ 1.2	93	26	50	30	68	6.44	+1.65	1.00	16	0	14	8	4	18	se.	John H. Patterson
Jefferson City	Cole	557	53	75.6	+ 1.8	92	20†	51	30	61	5.35	+1.12	1.14	6	0	13	16	5	9	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	77.6	+ 4.2	92	26	56	30	38	4.35	−1.65	1.03	6	0	11	16	6	8	.....	Empire Dist. Electric Co.
Lakeside	Miller	595	12	....	.....	..	..	..	..	12	6.78	+2.17	1.09	5	0	15	14	11	5	.....	W. S. Frame
Lamar	Barton	980	55	73.8	− 0.4	89	21†	52	30	62	8.86	+3.32	4.00	23	0	12	16	10	4	sw.	Jesse A. Mann
Lebanon	Laclede	1,265	55	73.9	+ 1.2	92	27	46	30	56	7.59	+2.42	1.70	24	0	12	14	4	12	s.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	75.4	+ 2.5	94	25†	52	30	59	9.24	+4.69	2.52	8	0	16	13	15	2	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	77.2	+ 3.6	96	26	51	30	47	5.60	−0.08	1.24	4	0	13	16	13	1	sw.	Hubert A. Nieman
Marshall	Saline	779	56	75.6[a]	+ 2.4	93	21†	50	30	53	8.36	+3.56	2.90	8	0	12	8	16	6	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	74.7	+ 2.9	88	26†	49	30	46	6.40	+1.46	1.85	4	0	13	14	26	0	se.	Mo. Fruit Exp. Station G. H. Boswell
Mount Vernon	Lawrence	1,174	31	....	.....	..	..	..	..	43	....	.....	....	.....	....	..	..	..	..	.....	
Neosho	Newton	1,011	56	77.6	+ 3.8	95	25	51	30	60	6.03	+0.06	1.49	4	0	12	2	26	2	se.	U. S. Fisheries Station
Nevada	Vernon	862	50	76.2	+ 2.7	94	24†	52	30	51	8.55	+3.10	2.45	4	0	11	17	6	7	sw.	Henry Kraft
Ozark Beach	Taney	700	3	78.4	.....	95	26†	57	30	18	3.91	−1.97	0.59	16	0	13	4	14	12	sw	A. J. Sharp
Sedalia	Pettis	910	30	76.6	+ 2.4	95	13†	49	30	32	6.08	+0.80	1.14	4†	0	10	18	4	8	sw	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	74.7[a]	+ 2.3	87	26†	51	30	40	3.86	−1.09	1.70	22	0	8	13[b]	15[b]	0[b]	sw.	Floyd E. Fawver
Seymour, 3½ miles NE	Webster	1,642	37	74.0	+ 2.3	89	24†	49	30	37	3.95	−1.39	1.03	21	0	13	13	13	4	s.	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	55	74.6	+ 2.9	89	26	50	30	55	4.70	+0.02	1.19	3-4	0	12	7	14	9	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	75.9	.....	96	13	47	30	2	7.62	.....	1.98	22	0	13	17	12	1	s.	H. F. Nelson
Warrensburg	Johnson	878	56	76.6	+ 2.7	93	25†	52	30	63	5.04	−0.02	1.03	22	0	12	11	14	5	s.	Central Teachers College
Warsaw	Benton	687	42	75.6	+ 1.8	94	26	49	30	48	9.82	+4.52	2.34	4	0	14	7	18	5	s.	James R Riddle
Wasola	Ozark	1,294	2	75.2	.....	91	26	51	30	3	4.98	.....	1.37	17	0	9	12	12	6	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**75.6**	**+ 2.2**	**96**	**13†**	**46**	**30**	..	**7.06**	**+1.97**	**7.00**	**3**	**0**	**12**	**12**	**12**	**6**	**s.**	
Southeastern Division																					
Advance	¼ mile W Stoddard	354	6	77.2	.....	96	21	51	30	6	2.68	.....	0.47	15	0	10	6	11	13	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	75.6	+ 3.8	91	13	48	30	65	5.93	+1.79	1.30	21	0	13	15	6	9	s.	Arcadia College
Birch Tree	½ mile E Shannon	1,000	48	75.9[a]	+ 3.2	93	26	48	30	49	2.74	−1.67	0.88	4	0	12	20[a]	8[a]	1[a]	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	78.1	.....	96	24	57	30	12	3.93	+0.52	1.33	4	0	11	16	11	3	s.	Paul B. Hutchens
Campbell	Dunklin	314	17	81.5	+ 6.0	97	14†	56	30	17	1.56	−2.68	0.45	16	0	12	15	14	1	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	79.2	+ 0.8	94	21†	60	30	51	2.73	−1.08	0.85	5	0	8	19	7	4	s.	Victor T. Malloure
Crystal City	Jefferson	420	9	75.7	+ 1.4	94	20†	52	30	9	4.97	−0.45	1.11	21	0	12	7	8	15	s.	Frank Magre
Doniphan	Ripley	344	39	78.2	+ 3.2	96	26	53	30	39	4.17	−0.19	1.62	4	0	10	26	3	1	sw.	Boyce Lackey
Farmington	St. Francois	896	32	75.5	+ 2.7	93	26	48	30	46	5.14	+1.26	1.40	21	0	10	8	11	11	s	F. M. Karsch
Goodland	Iron	1,000	50	74.4	+ 2.5	92	26†	46	30	50	5.71	+1.65	1.95	24	0	14	12	13	5	s.	F. M. Adams
Greenville	Wayne	381	31	....	.....	..	..	..	..	36	....	.....	....	.....	....	..	..	..	..	.....	Beuford Shoemake
Jackson	Cape Girardeau	428	52	78.2	+ 4.1	96	24†	56	30	53	2.42	−2.27	0.77	4	0	9	10	6	14	s.	John G. Putz
Koshkonong	Oregon	958	42	77.1[b]	+ 2.7	93	24	47	30	43	3.27	−1.23	....	.....	0	9	11[b]	15[b]	2[b]	sw.	R. E. Bratcher

Continued on next page

Climatological Data June for 1943 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																				
Licking..... 4 miles N	Texas	1,170	6	75.4	.....	92	20	46	30	6	8.06	.....	2.20	6	0	10	15	5	10	sw.	U. S. Forestry Service
Malden...4 miles NNW	Dunklin.....	292	0	80.8	.....	99	20	57	30	0	3.36	.....	1.82	21	0	10	8	18	4	s.	U. S. Weather Bureau
Marble Hill	Bollinger.....	470	48	77.0	+ 3.0	95	21	54	30	50	4.98	+0.50	1.47	4	0	11	17	12	1	s.	R. A. DeWitt
Poplar Bluff.....	Butler	339	38	78.2	+ 2.8	97	21	55	30	39	3.34	−0.78	1.33	22	0	12	8	18	4	se.	B. R. Wheetley
Rolla.....	Phelps.....	1,202	43	75.2	+ 2.2	92	26	50	30	59	8.75	+4.34	2.20	23	0	10	8	14	8	s.	U. S. Weather Bureau
St. Louis.....	**St. Louis City**	465	106	77.5	+ 2.5	94	20	55	30	106	5.87	+2.05	2.01	20	0	11	11	12	7	sw.	**Section Center**
St. Louis Airport	St. Louis	556	6	76.8	+ 2.8	95	20	54	30	12	5.91	+1.62	1.01	5	0	12	6	19	5	s.	U. S. Weather Bureau
St. Louis University...	St. Louis City...	578	81	77.6	+ 2.4	94	20†	55	30	81	5.02	+1.43	1.70	20	0	13	16	10	4	s.	St. Louis University
Salem	Dent.....	1,173	39	75.3	+ 2.9	93	26†	48	30	42	5.84	+1.19	1.97	7	0	10	17	9	4	s.	E. E. Martin
Sikeston.....	Scott	318	36	79.2	+ 4.9	96	13†	56	30	46	6.73	+2.54	2.89	22	0	12	10	18	2	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	5	76.1	.....	99	27	55	9	26	6.84	+2.54	2.08	20	0	15	9	9	12	s.	Robert Mueller
Wappapello Dam.....	Butler	475	4	78.0	.....	95	21	56	30	4	3.81	.....	1.27	22	0	12	18	10	2	sw.	U. S. Engineer Office
Weingarten	St. Genevieve ...	833	2	76.2	.....	92	20†	51	30	3	4.00	.....	0.80	4	0	10	13	15	2	w.	William J. Miller
West Plains	Howell	1,005	6	75.8	.....	92	21†	51	30	6	2.78	.....	1.06	16	0	13	5	23	2	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,258	2	74.8	.....	96	24	51	30	36	3.46	−1.37	1.23	24	0	11	8	14	8	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill...	314	71	79.8	+ 3.5	95	27	59	30	72	2.69	−1.14	0.94	4	0	10	6	19	5	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	77.2	+ 3.0	99	20†	46	30	..	4 54	+0 27	2.90	5	0	11	12	12	6	s.	
State means	**and extremes**	.....	..	75.8	+ 2.2	101	27	43	30	..	6 39	+1.67	7 00	3	0	12	12	11	7	s.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters *, ", °, appearing in the table indicate number of days missing; for example, °, represents two days, etc.

Figures and and letters following station indicate distance and direction of station from the city.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated ‖ Partially estimated

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

(Continued from page 31)

and the least was 1.56 inches at Campbell. The greatest 24-hour amount in any observational day was 7.00 inches at Clinton on the 3d. The average number of days with 0.01 inch or more was 12.

MISCELLANEOUS PHENOMENA

Dust.—Locally at Morehouse on 2d.

Floods.—In Bourbeuse River 7-9th. In Grand River 6-30th. In Meramec River 7-11th. In Mississippi River, continued from May into July. In Missouri River 7th and continued into July. In Osage River continued from May to June 1st and from June 6th to 12th. In St. Francis River at Fisk 3d to 30th.

Fogs.—Heavy, 6th, 7th, 8th, 9th, 11th.

Hail.—Moderate, on 6th in west and northwest St. Louis and in St. Louis County with some damage to windows. Hailstones were flattened with very irregular and jagged edges, some an inch or more across.

Windstorms.—On 5th, at site of old Greenville with property damage estimated at $5,000. On 6th in northwest St. Louis and in St Louis county with damage to trees and wires. On 20th at St. Louis, with damage to trees and wires. On 28th at Oregon and Cameron. At Oregon some trees were blown down and many damaged and corn and grain flattened. At Cameron trees and wires were damaged.

DEATHS FROM LIGHTNING

Four persons were killed and seven injured by lightning during the month of June. On the afternoon of the 6th two men were killed and a boy was seriously burned in St. Louis County. A man was killed and six others injured in north St. Louis County on the afternoon of the 20th. A man was killed near Charleston on the 20th.

A fire caused by lightning resulted in $3,000 damage to a residence in Bel-Nor Village, St. Louis County, on the 23d.

ERRATA

January 1943, page 1: Date of greatest 24-hour precipitation at Canton should be 17-18. Page 2: Date of greatest 24-hour precipitation at Bragg City and Poplar Bluff should be 25-26 and 25, respectively.

March 1943, page 13: Lowest sea level pressure at Kansas City Airport should be 29.29. Page 14: Mean temperature at Kansas City Airport should be 39.0; departure should be — 3.7.

April 1943, page 19: Date and direction of maximum wind velocity at Kansas City Airport should be 29 SW. Page 20: Mean temperature at Advance should be 55.8; greatest 24-hour precipitation at Advauce should be 1.72 on 22d; mean temperature at New Florence should be 52.3. Page 21: Mean temperature at West Plains should be 57.1; date of maximum temperature at West Plains should be 26. Page 23: Precipitation on 23d at Rolla should be T. Page 24: Maximum temperature at West Plains on 30th should be 70; mean maximum should be 70.0; minimum temperature on 22d at West Plains should be 47.

May 1943, page 26: Date of maximum temperature at Advance should be 5. Page 27: Greatest precipitation in 24 hours at St. Louis should be 3.39; under Miscellaneous Phenomena-Floods add In Osage River 12th and continued into June.

Daily Precipitation for June 1943

Stations	Drainage-basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand	.50		.02		1.32	.55	.18	.99	.91	2.50	.06	.03	.01		.99	.69					.45	.15	.02					1.13				10.50
Amity[2]	....do	.03		.02		.17	.40	.71	2.12	T.	1.87		.06		T.	.47	1.90	.11					T.	T.					2.32				10.18
Bethany	....do	.83				*	2.23	.75	1.02		1.22		.32			.70	.98						.33	.25					1.19				9.82
Bowling Green[2]	Mississippi				1.48	.05	.70	.53		.35	*	1.35					.25	.13				1.47							.13				6.44
Brookfield	Grand	.16		1.47		.64	.95	.02	1.21		1.61		T			1.40	2.39					.01	.42	.15					.26				10.69
Brunswick[2]	....do				.73	.07	.03	.18	1.11	.16	.82	.28			T	.12	2.15	.85				1.23	.32	.11					.32				8.48
Canton, Lock No. 20[2]	Mississippi		.06		.14	.13	.22	.29	.64	.29	.01	.14			T.	.02	.70	.23					.03						T.				2.90
Centralia[2]	....do				.73	.10	.50	1.21	.45	.11	.49				.05	.05	1.04	.01				.58	.52	.53									6.37
Chillicothe[2] (A)	Grand	.16			.28	T.	.26	.47	1.26		1.48		T.		.02	.16	2.72	.17				.31	.30	.42					1.05				9.06
Clifton Hill	Chariton				.16	.39	.47	.02	.70	.22	.93			.05		1.44	.85					2.69	.15						.10				8.17
Columbia [1‡]	Missouri			.96	.33	1.52	.33		2.82		.32			.04		.43	.02				T.	1.25	T		T.			T.					8.02
Conception	....do	.56		.11		2.30	.93	.27	.86	.61	.69		.05			.53	.51												2.02				9.44
Edgerton	....do					.21	.64	.11	3.07		1.60		.17	T.		*	3.45					.07							.40				9.72
Edina[2]	Mississippi	T.			.40	.20	.92	.85	.84	.30	.09	.20				.70	1.71	.84						1.26	.08				.05				8.44
Elsberry	....do				2.65	.15	.28		.40		1.10				.25	1.75																6.58
Farber[2]	....do	.51			.73	.08	*	.75	.05	.46	T.	.85			.03		*	1.18				1.23	.08					.25				6.20
Fayette	Missouri				.18	.14	.60		1.50		.48			.01		.94	.18			.16		.69	3.78					.07				8.71
Fulton	....do				2.05	.39	1.09	.27	.71	.12	.10	.15			.05		1.33	.02				.19	.40	.01									6.88
Gallatin[2]	Grand	.06	.04	.05		.29	.31	.67	1.73		2.01	.03	T.	.53		.37	1.51	.29				.23	T.	1.08					.75				9.95
Grant City	....do	.96				1.94	.72	.24	.20	.86	.43	1.26	.26	.86		1.02	.55					.46	.06						1.15		T.		10.97
Hannibal[3] (A)	Mississippi			T.	.14	.32	.44	T	.40		.58			T.		.41	.37					T.	T.						T.				2.66
Hermann[2]	Missouri				.46	.38	.31	.58		.40		.11			.02		.75					1.71		.10				T.					4.82
Kahoka[2]	Mississippi				.84	*	*	.95	*	.48	*	.50			.27		1.28	.53						T.									4.85
Kansas City Airport [1‡]	Missouri			.38	T.	T.	.06	.05	1.88	.07	1.02		.43			1.49	.65					.54	.05						1.04		T.		7.66
Kansas City University	....do			.18			.06	.03	1.53	.01	1.00		.02			1.12	.98					.10	.13	T.					.90				6.06
Kidder[2]	Grand	.05				.26	.15	.85	1.69		1.93		.01	.25		.10	5.10	.52					.58	.33	T.				1.16				12.98
King City	Missouri	.30		.04	T.	1.58	.89	.85	1.28	.13	1.20		T.			.93	1.20					.11	.01	.02					1.30		T.		9.64
Kirksville	Mississippi	.26		.45		.97	.70	.01	1.16		.48		T.	T.		1.04	1.40						.02	.12	.03				.63				7.27
LaBelle[2]	....do		.06		.64	.17	.98	.89	.75	.33	.06	.21				.36	.89	.75						T.					T.				6.09
Lawson	Missouri	T.		.25		.30	1.25	.05	3.03		.93		.05			.70	2.30						.68						1.16				10.70
Linneus[2]	Grand	.33			.79	.89	.38	1.10	1.29		1.54			.02	.15	.64	3.16	.25				1.23	.27						.31				12.35
Louisiana[2] (A)	Mississippi				.96		1.30	1.30		.30		3.00			.10		.40				.07							.05				7.48
Lucerne[2]	Grand	.66				.65	.74	.46	.45		.46	.35	.71	.07		.40	.55	.60					.24	.15					.04				6.63
Macon[2]	Chariton	T.	.09		.34	.37	.30	.37	.91	.15	.21	1.24				.23	1.84	.79					.24	.23	.43			.02		.03			7.27
Madison[2]	Mississippi				.07	.01	.81	1.09	.61	.21	.10	.89			.08	.04	.63	.22					.34						2.77		T.		5.81
Maryville	Missouri	.99		.23		2.78	.98	.32	.53	1.50	1.53	.05	.21			.95	.40						.22										13.46
Memphis[2]	Mississippi	T.	.23		.11		1.94	.22	.28	.18	.56	.40	.12			.40	.76	.30						.18					.23				5.91
Mexico[2]	....do				.63	.38	.35	.98	.45	.26	.43	.10			.15	.03	.72	.03					.87	.45	.03								5.86
Milan[2]	Grand	.94	.03		.25	.20	.30	.78	1.46	.07	.82	.03	.12			.27	1.03	.47						.30					.33				7.40
Moberly[2]	Mississippi				.10	.40		.54	.59	.02	1.01	.07			.04	.31	1.05	.05				.34	2.22		.14	.09			.03				7.60
Monroe City	....do				.12	1.57	.47		.59		2.29			.02		.66	.65							.22	T.				.06				6.65
New Florence[4‡]	Missouri			.83	.49	1.50	.22		.47		.26			.02		.40	.01						.09	.65									4.94
Oregon	....do	.30		.20		.95	2.10	.46	1.37	1.37	1.34					.70	T.						T.		T.				2.10				10.89
Palmyra	Mississippi	.02			.27	.62	.55		.58		.50			.04	.41	.36																	3.35
Paris[2]	....do				.07	.05	1.00	1.58	.30	.35	.04	1.68			.03	T.	.97	.09					1.28	.47	.56					T.			8.47
Perry	....do				.60	.31	1.09		.56		1.58				.05	.63	.21					1.07	.22	.07									6.39
Philadelphia[2]	....do				.65			.84	.26	.49		.55				.05	1.21	.31															4.36
St. Charles[2]	Missouri	.01			.66	.13	.90	.40		.11	.32					.04	.41					1.27	T		.55	.01							4.81
St. Joseph[1‡]	....do	.01		.10	.02	.98	1.82	1.79	.61	.08	1.13					3.60	4.19						.13							.10	1.15		15.71
Saverton, Lock No. 22[2]	Mississippi	T.			.19		.28	.52	.06	.32	.15	.47			T.		.43	.06					.03						.11	.01			2.63
Shelbina	....do			.40	.02	.25	.61	T	.80					.18		.38	.43					.02	.15	1.45					T				4.69
Shelbyville[2]	....do				.52		.32	.25	1.08		1.40	.58				1.32	.62							2.15	.25								8.49
Steffenville	....do	.10		.10	.15	.46	1.20	.02	1.25		.52			T.	T.	.51	1.57					T.	T.	.10					T.				5.98
Tarkio	Missouri	.40		.20		1.03	1.00	.70	.65	1.46	.56	.25	.23			1.02	1.37												1.10				9.97
Trenton	Grand	.20			.29	1.09	.35	.03	1.60	T	1.68	.17		.02	T	.70	1.01	.04				.02	.45	.02					.65				8.32
Troy[2]	Mississippi				1.75	.20	.15	.40		.25		.12			T.	.15	.40					1.25											4.67
Unionville[2]	Chariton	.80	.03			.51	.80	.35	.44	.01	.20	.55	.02	.55		.65	.46	.65					.02	.04					.61				6.69
Warrenton	Mississippi				1.52	.72	1.67	.03	.43	.04	.07			.06		.21	.02				1.30			.50									6.57
Keokuk, Iowa[3]	....do	.07		.68	T.	.42	.27	T	.33		.14	.02		.98		.35	.68				.21		T.		T.			T.	.31				4.46
Southwestern Division																																
Altona[2]	Osage				3.31	.20	.12	.08	1.19		.47	.57					1 35	.35					.43	.46					.48				9.01
Anderson	Neosho																																
Appleton City	Osage				1.48		.26		.60	.06	1.00			.03		.53	.57					1.12	.33						.24				9.22
Bolivar	....do				1.00	.25	1.16		1.00	.25	.43			T.			.46			.33		.41	1.48	.75					.03				7 55
Boonville[2] (A)	Missouri				.44	.34	1.35	.47	2.57	T.	.34				.03	.27	1.65	.03			.03		.62	.25	1.13					.05	T.			9.57
Buffalo[2]	Osage				1.20	.18	*	.72	*	.80		.30			.01			.39					.56	.32	2.34									6.82
Butler[2]	....do				6.00	.22	.97		.66	.20	.41						.37						.90	.48						.50				10.71
Caplinger Mills[2]	....do					1.78	.03	.56	1.56		.35	.10			.11			.32					1.24	.58						.37	.04			7.04
Carthage	Neosho				1.23		1.00		.43								1.26					.11	.23	.16	.05	.06			.36				4.89
Clinton[4]	Osage				7.00	.58		.44		1.00		1.04			T.		.82	.21				1.22	.12						.28				12.71
Concordia	Missouri					.06	.11	.23	.03	1.15		.91				.04	1.02	.33					.22	1.24					1.25				6.59
Crocker	Osage				2.92	.50	.77		1.09	T.	.28			.28	T.	.05	.04	*	.41		.69	.31	.71	.74					.04				8.83
Eldon[2]	Missouri				.93	1.03	.05	.72		.55		.37			.41		.64	.06					.80	.59	.08				T.				6.18
Eldorado Springs	Osage				2.10		.73		1.25	.12	.62						.55					.56	.28	.24		T.			.80				7.25
Fort Leonard Wood	Gasconade					.66		1.25		.55					.04	.03	.05	T.			T	1.89	.10	.72			T.							5.29
Galena[2]	White					.31	1.34	.26	.63	.15	1.21		.03					.29	.48	.63	.40	.35								.05			6.13
Hailey	....do				2.27	.23	.96		.23					.19			.04					.24	1.17	1.23		.37								6.93
Harrisonville[2]	Osage					.29	.07	.02	.42	.77	.13	.85	.48				.80	1.00	.20				.53	.20					.68				6.44
Jefferson City[2]	Missouri					.41	.37	1.14	.63	.54	.46		.20			.05		.70	.01			T	.29	.53		.02							5.35
Joplin[3]	Neosho				1.00		1.03	.01	.47					.12			.24					.20	.21	.10	.04				.93				4.35
Lakeside[2]	Osage				.93	1.09	.19	.84	.25	.34		.47			.61	T.	.63	.06					.49	.47	.03		.09		.29	T.			6.78
Lamar[2]	Neosho					1.55	.35	.50	.50	.15	.08	.35			T.			.50			.08		.50	4.00					T.	.30			8.86
Lebanon[2]	Osage				.12	.98	.23	1.27	12	.59		.38					T.	.39				.02	1.19	.60	1.70	T.							7.59
Lexington[2]	Missouri				.87	.05	.29	.10	2.52	.02	1.20	.06	T.		.04	.34	1.76	.28					.29	.05	.05				1.32				9.24
Lockwood	Osage				1.24	.01	.84	.01	1.12	.05	.04			T.			.37					.80	.86	.09	.02				.15				5.60
Marshall	Missouri				.07	.02	.31		2.90		.96				.02	1.16	.91						.40	1.15	.03				.39				8.36
Mountain Grove	White				1.85		.83	.32	.15			.15		.05				.27			.03	.70	.70	1.08	.04	.23							6.40
Mount Vernon	Neosho																																
Neosho	....do				1.49	.02	1.23	.08	.25	.15					T.		1.26	.37					.27	.09		.15			.67				6.03
Nevada	Osage				2.45		.12	T.	1.00	.35	.42						.52					.08	1.78	1.03		.02			.78				8.55
Osceola[2]	... do				.22	1.69	.68	.55	1.50	.08		.58			.02		.02	.35					1.37	.10	T.				.08	T.			7.24
Ozark Beach[2]	Osage				.14	.15	.05	.33		.44			.45		.35	.01		.59			.34		.31	.51	.24									3.91
Pleasant Hill[2]	Osage	.14			.36	.05		.11	.98	.16	1.16	.50	.01		.03	.48	.51	.40					.24	.31					1.42	.05			6.91
Roby	Gasconade				.80		1.04	.04	.64	.04	T.	T.	T	T.	T.	T.	T.	.15			T.	.61	.36	1.47	.07	.20								5.42
St. Thomas[2], 3¼mi sw	Osage																																
Sedalia	Missouri				1.14		.43		.98		.61			.40		.59	.30						1.09	.05					.46				6.08
Seligman	Neosho				.88		.54		*	.29							.18	.10				T.	1.70	.17		T.							3.86
Seymour	White	.01			.76		.54	.06	.25		.07						.09	.14				1.03	.25	.65	.04	.06							3.95
Springfield [1‡]	....do			.01	1.18	.74	.50	T.	.52	T.	.18	T.			.32		.64			.11	T.	.03	.34	.13		T.			T.				4.70
Stover[2]	Missouri																																

Continued on next page

Daily Precipitation for June 1943 (Continued from preceding page)

Stations	Drainage basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																	
Sweet Springs	Missouri			.02	.10	.03	.35	.02	1.47		.61			.13		1.87	.37						1.98	.33					.31				7.62
Warrensburg	....do			.15	.16	.06	.15	.02	.92		.93				T.	.55	.22					.30	1.03						.55				5.04
Warsaw (A)	Osage				2.34	.16	.52	T.	1.10	.14	.65			.41		.30	.24			.11		1.85	.02	1.94					.04				9.82
Wasola	White				.86		.44	.23	.86		.40	T.		.10				1.37				.38	.34										4.98
Waverly[2]	Missouri				1.22	.10	.03	.20	2.07		1.50	T.			.15	.10	1.51	.80					.10	2.60	.50				.80	.03			11.71
Southeastern Division																																	
Advance[4]	St. Francis				.37	.39	.26		.06	.38					T.	.47	.34	T.				.14			T.	.10			.17				2.68
Alton 10 miles SE	Black				.10	.22	.62		.52								1.63					.06	.08		1.00				.54				4.77
Annapolis	St. Francis				1.40	.05	.35		.31					.29	.21		.15					*	1.50	.10				.05					4.41
Arcadia[2]	....do				.24	.50	.10	.90		.51		.08				.84	.36	.16				1.30	.72	T.	.04	.18	T.						5.93
Banner[3]	Black				.36	.32	.06	.97		.57		.07		T.	T.			.13				.38	.50		T.								3.36
Belleview	Meramec				.92		.62	1.10				.26						.15				.81											3.86
Birch Tree	Black				.88	.77	.15	.09	.16					.13	.03		.18					.25	.01		.05		.04						2.74
Bragg City	St Francis				1.33	.13	.03	.05	T.		.01			.42	.54		.09					.06				1.11		.16					3.93
Bunker[2] 4 miles NW	Black			.20	.72	.35	.62		.70		.20					.10	.13	.12					.18	.79	.31								4.42
Campbell	St. Francis				.42	.12	.02	.05	.02					.08	.04		.45	.05					.01			.02		.28					1.56
Cape Girardeau[2]	Mississippi	.02				.73		.87		.28		.17				T		.22					.11	T.		T.			.93				3.33
Carutherstville[2]	...do	.73				.85	.19	.10										.11					T.					.11	.36	.28			2.73
Centerville[3]	Black				.10	.77		.80		.62							.20	.21				.05	1.21		.70	.59							5.25
Crystal City	Mississippi				.27	.10	1.08	.16	.38					T.	.51	.19	.30	.02				1.11			.06			.79					4.97
Deering[2]	St. Francis					1.29		.49		.02						.59		.52					.03										2.94
Dexter[2]	....do	.12				.67		.10	T.	.13		.07				.02		.08					.43		.15	.27	1.13	1.12	T.				3.69
Douphan	Black				1.62	.26	.04	.03	.38								.06	1.09					.29		.26				.14				4.17
Ellington	....do				.10		.30	T.	.40									.20				.10			1.30	.80							3.20
Farmington	St. Francis				.61		.51	.06	.58		.14				T.	.12	.47	.05				1.40			1.20								5.14
Fisk[2]	....do					.41	T.	.28		.16		.27						.34					.31						.03	.14			1.94
Fredericktown[2]	....do				.48	1.99		.75		.30						.15	T.						.12		T.					.44			4.23
Gerald[3]	Meramec				.85		1.68			.94					1.26	.02						.68		.08								5.51
Goodland	Black				.96		.44	.35	.38		.16			.03	.10	.25	.05	.06				.85	.03	.10	1.95								5.71
Greenville	St. Francis																																....
Jackson	Mississippi				.77			.26	.23		.24				.03		.07					.26	.08						.48				2.42
Jerome[2]	Gasconade				1.30	.90	.40	.90		.50					.30			.60				.60	.80	2.00	.15								8.45
Koshkonong	Black				.20	T.	.60		.20					.20			.05	.45					.27	*	1.30								3.27
Leeper[2]	....do				.06	1.00	.14	.13		.35		.20					.05	.38					.42		.02	T.	.05			.06			2.86
Licking	Gasconade				.02	.16	2.20	T.	.31					T.		T.		.30				1.71	.15	1.54	1.41	.26							8.06
Malden[4]	Mississippi				.47	.25	T.	T.	.06		T.	.09		.05	.01		.07	T.				1.82			.27	.27		T.	T.				3.36
Marble Hill	....do				1.47		.46	*	.17		.84						.12					.08	.90		.21	.37			.36				4.98
Meramec Park[2]	Meramec				.34	1.13	.53	1.92		.98							.12	.67				T.	T.	T.	.40								6.09
Morehouse	Mississippi					.67	.04		.05		.06			.51			.08					.95	1.63						.19				4.18
New Madrid[2]	...do	.24				2.61		.09	.21									.84					.01	.26					T.				4.26
Owensville[2]	Gasconade				.77	.44	.52	.89	1.49						.20		.24					.15		.42	.28								5.40
Pacific[2]	Meramec				*	.47	1.70	.70		.49	T.	T.				.10	.32	.04				1.20		.72	.14	T							5.88
Parma[2]	St. Francis	.17				.39								.38	.08								.03			.19	.71		1.10	.08			3.13
Perryville[2]	Mississippi				.55	2.90		1.18		.52		.15					.15	.21				.39	.99	.29					.23				7.56
Poplar Bluff[2] (A)	Black	.27				.55	.11	.08		.19		.08				.29		.20					1.33		.06	.05			.13				3.34
Richwoods[2]	Meramec				*	*	.90	*		1.33		*		.12	.35	.34	.18					.35			.15	T.							3.72
Rolla[4]	....do				2 17	.85	1.12		1.00	.09	T.		T.	.09		T.	.30				T.	T.	.45	2.20				.48					8.75
St. Louis:																																	
City Office[1‡]	Mississippi				.67	1.20	.49		.10	T.	.47			.60	.02	.28	T.	T.			2.01	T.		.01	T.	T.	.02	T.	T.				5.87
Airport[4‡]	Missouri				.71	1.04	.47		.09		.25			.03	.24	.88	.02				.89	T.		.72	.57	T.			T.		T.		5.91
St. Louis Univ.[3‡]	Mississippi				.42	.89	.62		.12	T.	.40			.05	.11	.49	.01	.01			1.70	T.		T.	.02	T.	.18						5.02
Washington Univ.[2‡]	....do				.40	.10	1.75	1.40		.16		.36			.15	.03	.22					1.40				.52							6.49
Salem	Meramec				.07	.41	.73	1.97		.80		T.			.25			.33					.13	1.03	.12								5.84
Sikeston[2]	Mississippi	.22				1.71		.52		T.		.12			.55	.02		.11				.36	2.89				.09		.08	.06			6.73
Union	Meramec				.98	1.25	1.24	.06	.45	.05			.05			.55		.03			2.08	.04		.06	.16	.02			.02				6.84
Valley Park[3]	....do				.34	.13	1.83	2.25		.33	T.	.04			T.	.40	.55	.03				.10	T.		.02	T.				.04			6.06
Van Buren	Black				2.32		.22		.13		T.							.30				.30											3.27
Wappapello Dam[3]	St. Francis				T	.39	.07	.27		.20		.45				.04	.04	.75					1.27		.01	.07			.25				3.81
Weingarten	Mississippi				.80		.72	.30	.63						.01	.02	.52					.20			.30		.50						4.00
West Plains[4]	Black				.14	.09	.39	.01	.22		T.	.10		.10	.21		1.06	.06				.10	T.	.07		.23	T		T				2.78
Williamsville[2]	....do	.01			.03	.12	.68	.39	.01	.22		.25				.10		1.03					.65		.47	2.78	.30			.01			7.05
Willow Sprgs[2]	White				*	.45	.33			.31					.03			.26			.23	T.	.36	.18	1.23		.08		T.				3.46
Zalma 3½ miles S	Mississippi				.20	.08	T.	.27	.05		.25				.02	.32	.67	.06					.27			.01			.19				2.39
Cairo Ill [1‡]	....do				.94		T.		T.		.62			.12	.08	.08	.27	T.			.37	.07	T.			T.	.01		.13				2.69

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for June 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation																																
	Mean temperature	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.213	.240	.265	.189	.080	.261	.222	.092	.056	.081	.143	.222	.262	.195	.181	.178	.216	.231	.233	.254	.328	.146	.182	.188	.161	.125	.204	.262	.264	.287	....	5.961
	Mean temperature	80	80	80	74	76	77	70	67	68	74	76	82	82	82	80	76	76	73	76	82	78	78	80	82	80	82	84	81	68	63	..	77.0
	Wind movement	52	51	65	49	18	20	27	38	21	10	22	34	31	21	40	19	27	24	17	28	32	25	15	19	12	17	25	15	54	51	..	879

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

Daily Temperatures for June 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	87	88	88	70	78	72	69	78	80	77	89	93	92	89	78	78	81	87	90	92	93	78	85	92	93	95	95	79	73	74	..	83.8
	Minimum	68	74	74	66	59	61	62	60	59	59	64	68	72	72	67	65	61	61	62	69	74	69	69	71	71	74	76	71	56	52	..	66.2
Chillicothe §§	Maximum	87	87	82	71	74	69	64	73	76	83	89	91	90	89	82	81	82	91	91	93	93	76	83	91	93	94	94	79	72	72	..	83.1
	Minimum	66	66	75	61	58	58	60	59	60	60	64	68	72	71	65	63	59	61	62	71	73	68	69	68	68	74	75	67	53	49	..	64.8
Columbia	Maximum	87	88	86	75	79	72	72	75	79	79	89	92	91	90	84	80	82	86	89	94	92	82	87	92	92	93	93	82	74	73	..	84.3
	Minimum	74	72	66	66	65	66	64	62	60	67	68	75	74	74	67	64	62	59	67	65	71	69	69	69	74	73	76	63	56	51	..	66.9
Fayette	Maximum	86	85	85	74	77	74	70	77	78	78	87	90	89	89	82	79	80	84	88	90	90	80	84	91	92	93	92	82	74	72	..	83.1
	Minimum	71	70	73	56	62	63	61	59	56	63	63	70	69	70	59	62	60	57	63	72	68	67	68	67	71	72	73	69	51	49	..	64.6
Grant City	Maximum	86	87	82	69	68	68	61	75	72	80	85	87	88	86	80	79	79	86	90	91	90	83	83	91	93	92	93	85	85	68	..	82.1
	Minimum	62	74	67	51	55	57	55	57	56	61	64	65	68	68	63	63	56	58	65	71	71	67	69	70	74	72	72	64	49	48	..	63.1
Hannibal	Maximum	87	88	86	73	73	75	65	69	77	79	88	90	92	91	83	80	80	85	89	93	90	84	88	91	93	93	94	80	77	72	..	83.5
	Minimum	66	72	69	62	62	63	58	57	55	63	64	72	73	72	66	62	61	60	64	71	68	66	70	68	70	73	74	62	53	49	..	64.8
Kansas City Airport	Maximum	87	88	89	73	83	76	68	80	83	75	89	90	89	89	81	83	83	90	93	94	92	79	81	94	97	96	95	84	72	72	..	84.8
	Minimum	78	78	73	57	64	63	62	63	66	62	70	66	75	76	64	65	64	68	72	76	71	70	70	73	75	77	78	65	57	55	..	68.4
Kirksville	Maximum	86	88	86	73	72	69	66	68	75	81	88	90	94	90	88	85	83	91	92	93	91	90	87	93	95	95	96	94	77	69	..	84.8
	Minimum	64	73	67	59	56	62	58	57	54	63	65	73	72	72	64	62	77	56	65	72	71	67	70	67	72	77	75	68	51	47	..	65.2
Lawson	Maximum	87	87	87	74	82	74	69	82	82	82	88	92	90	87	81	82	82	88	91	93	93	81	85	93	94	95	95	80	74	74	..	84.8
	Minimum	75	75	71	56	58	62	60	62	62	62	65	69	70	72	63	62	62	59	66	72	72	67	61	67	73	72	74	70	51	47	..	65.2
Louisiana §§	Maximum	87	89	86	79	78	80	70	78	82	87	93	91	92	83	81	80	86	89	98	88	83	88	90	93	94	93	82	75	72	..	84.6
	Minimum	68	72	72	66	63	67	62	61	54	56	61	64	75	73	70	63	65	58	60	66	70	65	67	71	68	71	72	75	57	50	..	65.4
Macon §§	Maximum	86	87	84	70	72	72	64	69	76	80	88	90	90	88	80	78	80	85	89	91	90	75	86	92	93	93	92	82	74	72	..	82.3
	Minimum	69	65	72	63	58	58	59	58	54	56	63	67	70	72	65	61	59	61	65	70	70	62	63	67	68	73	75	69	51	47	..	63.7
Maryville	Maximum	86	88	85	78	67	69	62	75	78	75	86	86	88	86	83	86	78	87	88	90	90	85	84	90	93	94	95	88	72	68	..	82.7
	Minimum	62	74	65	50	55	58	55	56	61	60	66	65	69	71	63	63	55	59	65	70	69	67	68	70	73	72	72	66	50	50	..	63.3
Mexico §§	Maximum	90	90	87	76	78	78	72	74	80	80	92	95	95	94	85	81	82	90	94	96	95	85	91	94	93	96	96	82	75	74	..	86.3
	Minimum	70	71	72	65	64	65	62	60	57	60	65	69	71	73	70	63	63	58	63	71	69	66	69	67	72	72	74	73	53	49	..	65.9
Moberly §§	Maximum	86	88	85	73	80	74	68	81	77	81	88	90	91	89	81	83	82	85	89	92	92	84	87	92	93	93	93	84	76	76	..	84.4
	Minimum	68	71	74	63	60	62	60	60	56	60	66	70	73	73	65	63	59	58	66	72	70	67	68	68	72	73	69	70	53	47	..	65.2
Oregon	Maximum	88	91	87	81	74	65	62	79	85	80	89	92	92	90	86	82	90	91	95	95	92	85	90	95	98	98	98	86	75	74	..	86.2
	Minimum	63	75	66	51	55	57	55	58	63	59	66	70	71	72	62	64	64	58	68	72	71	66	67	70	73	73	74	65	51	50	..	64.3
St. Charles §§	Maximum	89	90	85	79	82	82	72	79	80	88	94	89	90	87	85	84	88	91	95	83	86	89	89	89	95	95	94	85	77	72	..	85.3
	Minimum	74	73	75	66	67	67	65	65	60	64	64	72	75	79	73	66	70	61	66	72	68	68	71	71	73	74	76	77	60	55	..	68.9
St. Joseph	Maximum	87	90	87	72	73	69	66	79	85	79	88	91	90	88	79	80	82	89	92	93	90	79	82	95	95	96	95	78	73	72	..	83.8
	Minimum	68	77	66	52	57	60	60	63	63	61	69	74	74	75	64	64	63	65	70	75	71	69	68	71	77	76	69	62	55	54	..	66.4
Trenton	Maximum	87	86	85	75	70	68	69	74	80	82	89	90	92	88	82	81	88	88	90	93	93	81	83	92	92	95	93	88	79	71	..	84.1
	Minimum	64	75	74	57	64	58	58	59	59	63	67	73	72	71	65	63	57	59	66	72	73	68	69	69	72	73	75	69	51	49	..	65.5
Unionville §§	Maximum	90	93	92	79	80	75	75	76	82	86	87	90	90	92	86	88	89	90	92	97	96	92	87	94	98	95	95	80	74	85	..	87.5
	Minimum	63	63	73	55	54	56	56	57	56	57	64	65	66	70	64	61	56	56	61	66	70	66	66	67	66	72	73	67	50	46	..	62.1
Warrenton	Maximum	84	85	84	84	79	79	70	70	80	79	86	90	88	90	85	83	82	84	87	93	87	81	86	89	90	93	92	83	79	70	..	83.7
	Minimum	64	71	73	64	63	66	62	60	55	72	66	72	72	72	72	63	67	61	..	..	..	..	..	..	..	..	71	73	67	54	50	..	[g]65.7
Keokuk, Iowa	Maximum	87	88	84	72	68	73	63	66	75	75	83	93	88	92	80	80	80	84	88	93	90	88	89	91	95	95	94	80	71	72	..	82.6
	Minimum	67	76	65	60	58	60	57	53	58	64	66	76	72	76	67	64	61	67	72	73	71	69	75	72	75	78	79	60	54	54	..	66.6
Southwestern Division																																	
Clinton	Maximum	87	85	87	68	85	74	81	84	84	76	89	91	91	89	88	80	83	91	91	89	92	78	90	93	93	95	94	81	74	74	..	85.2
	Minimum	74	73	61	58	63	67	67	61	63	62	66	72	72	73	66	64	61	60	63	71	67	67	68	68	71	70	76	66	57	50	..	65.9
Eldon §§	Maximum	87	87	87	73	85	73	77	76	82	77	89	90	91	89	86	81	84	87	89	92	92	83	84	92	93	92	92	84	74	73	..	84.7
	Minimum	66	71	72	64	63	63	64	64	62	63	65	64	70	71	71	63	63	60	60	63	70	67	66	65	65	69	69	72	57	50	..	65.1
Harrisonville §§	Maximum	84	85	84	68	86	74	77	81	80	74	87	89	89	86	80	78	83	88	90	90	91	73	83	92	92	93	92	78	73	71	..	83.0
	Minimum	63	75	74	62	54	67	63	62	62	62	62	72	71	72	62	64	59	62	65	70	72	67	68	68	71	71	73	68	56	50	..	65.6
Jefferson City §§	Maximum	88	89	86	75	82	74	77	75	79	79	89	90	90	90	86	81	83	86	88	92	90	85	91	88	92	92	91	85	74	73	..	84.7
	Minimum	69	73	73	65	64	66	65	62	59	60	65	68	73	72	73	64	65	60	67	66	71	69	67	67	65	71	73	72	57	51	..	66.4
Joplin	Maximum	85	84	85	78	82	75	83	84	81	83	87	88	87	86	87	82	84	86	89	89	90	79	87	87	91	92	90	80	74	75	..	84.3
	Minimum	78	77	78	70	70	68	65	66	69	68	73	76	75	74	74	68	68	66	70	75	73	70	72	74	73	73	74	71	63	56	..	70.9
Lamar §§	Maximum	85	81	83	70	80	68	78	78	78	79	85	87	86	84	85	79	81	85	86	89	75	84	89	89	87	80	71	73	..	81.7
	Minimum	65	73	73	68	64	65	63	63	62	65	62	69	71	72	71	68	64	61	61	65	72	66	65	66	68	68	69	69	61	52	..	66.0
Lebanon §§	Maximum	89	90	88	81	83	74	82	82	85	80	90	90	90	88	85	82	81	88	87	90	88	84	88	87	88	90	92	80	71	74	..	84.9
	Minimum	64	67	68	63	60	61	62	62	59	62	60	61	68	69	68	64	64	55	60	65	68	63	63	61	63	65	68	70	57	46	..	62.9
Lexington §§	Maximum	86	87	85	73	84	75	70	80	82	78	88	90	90	88	82	81	82	89	91	92	92	78	86	93	94	94	94	80	75	76	..	84.5
	Minimum	67	77	75	63	57	63	62	62	63	62	63	67	72	74	65	62	62	62	66	70	74	68	68	69	71	73	75	69	56	52	..	66.4
Marshall	Maximum	87	87	86	77	81	76	76	77	78	78	89	91	..	90	88	79	80	86	90	92	93	90	84	90	91	93	93	89	78	72	..	[g]84.9
	Minimum	75	72	74	58	64	61	64	61	60	64	67	65	..	74	64	64	61	63	67	70	72	68	69	67	72	73	75	69	56	50	..	[g]66.2
Mountain Grove	Maximum	83	84	83	81	84	80	81	81	81	84	86	87	87	87	87	84	81	85	84	87	86	83	85	87	87	88	88	86	81	72	..	84.0
	Minimum	68	68	69	63	61	63	64	65	63	66	66	68	69	70	68	67	65	58	63	69	66	65	65	67	70	68	69	71	58	49	..	65.4
Neosho	Maximum	86	84	86	83	85	83	86	87	85	84	88	90	89	89	89	88	88	88	90	92	91	86	90	90	95	94	93	91	81	77	..	87.6
	Minimum	75	75	74	65	67	66	63	65	64	66	69	70	69	70	71	70	63	58	64	69	71	73	70	69	68	68	69	69	63	51	..	67.5
Nevada	Maximum	86	85	86	83	85	78	83	84	83	85	88	90	90	87	89	87	85	90	91	91	91	85	94	94	93	92	90	77	78	..	86.7
	Minimum	73	74	73	58	62	65	64	61	64	62	66	66	69	71	69	63	61	58	63	69	71	66	67	67	68	69	71	67	60	52	..	65.6
Sedalia	Maximum	87	87	87	85	84	79	78	78	81	81	90	92	95	89	88	78	84	89	91	92	95	87	87	93	95	95	95	90	78	73	..	86.7
	Minimum	75	72	74	64	64	57	64	60	64	64	66	72	72	73	66	64	61	61	66	72	73	67	68	67	72	71	74	69	56	49	..	66.6
Springfield	Maximum	84	84	82	77	83	72	82	82	80	84	85	88	86	87	86	84	81	84	83	88	88	82	84	88	88	89	88	82	73	73	..	83.2
	Minimum	71	69	71	64	65	64	63	65	65	63	67	70	70	71	71	67	64	61	63	69	67	67	66	69	68	70	69	53	53	50	..	66.0
Warrensburg	Maximum	85	86	87	80	65	80	75	80	82	80	88	90	90	88	90	80	81	89	91	90	91	87	85	92	93	92	93	90	78	74	..	85.7
	Minimum	75	75	75	56	64	67	64	67	64	63	66	73	73	74	65	63	61	63	67	73	74	67	68	68	72	72	76	70	56	52	..	67.4
Southeastern Division																																	
Arcadia §§	Maximum	86	86	88	83	90	89	79	80	84	85	89	92	94	92	90	90	85	89	90	93	91	86	88	91	86	93	93	89	79	75	..	87.5
	Minimum	66	67	67	64	60	62	64	61	57	57	60	64	67	69	69	69	65	59	58	60	66	65	66	67	67	68	70	70	60	48	..	63.7
Birch Tree	Maximum	83	84	85	83	86	84	80	79	83	86	87	89	89	88	89	87	83	86	87	88	91	88	90	91	88	93	92	86	77	74	..	85.9
	Minimum	70	75	76	65	65	63	66	65	65	63	69	..	66	68	68	69	64	56	60	65	72	67	71	68	67	65	68	68	59	48	..	[g]65.9
Caruthersville §§	Maximum	84	85	87	88	86	89	84	84	84	88	90	92	93	92	93	93	86	85	87	92	94	92	93	94	92	92	94	93	79	75	..	88.7
	Minimum	66	72	73	72	68	69	69	68	68	68	70	73	73	73	73	73	67	67	65	64	65	70	72	73	75	73	74	70	70	60	..	69.8
Crystal City	Maximum	87	88	87	83	88	88	76	76	82	85	88	92	92	92	91	87	84	83	91	94	91	86	90	91	90	94	93	86	78	72	..	86.8
	Minimum	73	66	73	66	61	65	65	62	57	60	61	67	67	70	68	65	64	64	57	64	66	64	66	66	66	68	70	68	56	52	..	64.6
Doniphan	Maximum	86	87	88	90	91	90	85	80	89	87	91	95	95	94	93	93	85	88	90	92	95	89	93	94	95	96	95	93	80	75	..	89.8
	Minimum	72	70	73	67	63	65	69	65	64	63	65	69	69	71	68	69	65	58	57	63	65	66	71	69	70	69	70	70	67	53	..	66.5
Farmington	Maximum	86	85	88	81	89	88	77	72	76	82	89	91	92	92	91	89	82	86	88	92	91	85	89	91	88	93	91	89	78	70	..	86.0
	Minimum	71	70	72	64	62	64	66	60	56	62	63	69	70	72	70	67	68	58	59	65	66	64	68	68	67	62	70	70	58	48	..	65.0
Jackson	Maximum	85	87	88	87	91	91	86	78	82	84	92	94	93	95	93	90	86	90	91	93	95	88	89	96	90	92	96	96	77	76	..	89.0
	Minimum	61	71	73	67	64	67	68	64	61	64	65	73	72	74	73	71	70	61	60	62	68	68	68	70	73	70	74	73	63	56	..	67.5
Poplar Bluff	Maximum	84	87	87	89	94	89	84	79	85	86	93	94	95	94	92	92	84	89	90	92	97	90	92	96	93	92	96	93	80	75	..	89.4
	Minimum	68	69	72	72	63	67	64	64	63	64	66	67	68	73	70	70	65	60	65	66	64	66	70	68	71	66	73	70	67	55	..	66.9
Rolla	Maximum	85	85	83	77	85	80	75	75	78	78	87	90	88	90	87	83	80	85	88	91	90	83	86	88	90	92	89	83	71	70	..	83.7
	Minimum	71	69	72	63	63	65	62	61	62	65	61	72	70	71	72	65	67	62	68	71	70	68	67	68	73	72	74	66	55	50	..	66.6
St. Louis	Maximum	87	88	86	81	84	85	72	72	80	79	87	92	90	90	88	86	81	85	89	94	87	90	89	90	90	93	94	85	74	72	..	85.3
	Minimum	74	71	76	66	68	67	65	63	60	69	68	74	74	75	69	68	71	68	70	69	70	70	77	75	76	76	77	70	61	55	..	69.7
Salem §§	Maximum	86	87	87	84	85	82	79	78	83	82	89	91	89	91	90	86	81	88	89	92	89	87	88	92	91	93	93	84	74	73	..	86.1
	Minimum	70	69	70	64	61	63	65	63	61	63	62	64	69	71	70	67	66	57	59	63	66	63	65	65	65	68	70	70	58	48	..	64.5
Sikeston §§	Maximum	86	88	91	91	91	91	85	80	86	88	92	95	96	93	94	92	88	91	93	96	95	91	93	94	94	94	96	93	79	74	..	90.3
	Minimum	69	70	72	72	66	68	68	65	63	66	67	68	72	73	71	73	68	61	63	62	68	66	71	71	73	72	72	72	67	56	..	68.2
Union	Maximum	89	90	87	84	86	75	74	75	79	77	92	93	94	93	90	86	88	87	90	94	87	81	90	90	93	94	99	87	79	73	..	86.5
	Minimum	74	71	74	65	64	65	64	60	55	63	61	69	76	69	72	65	78	56	59	67	68	65	70	69	69	70	74	67	56	57	..	66.4
West Plains	Maximum	85	86	86	88	89	86	82	78	85	87	90	90	90	91	90	88	85	87	88	91	92	88	90	92	92	85	87	75	77	75	..	87.1
	Minimum	70	67	70	65	62	64	66	65	64	65	64	67	67	68	68	65	61	57	57	65	66	64	67	65	68	65	68	69	52	51	..	64.4
Cairo Ill.	Maximum	85	86	88	82	90	92	86	79	85	87	90	94	90	92	92	90	86	88	86	90	91	90	92	91	91	90	95	94	80	74	..	88.2
	Minimum	74	75	76	69	68	71	70	68	66	70	70	75	76	76	75	73	70	67	67	68	70	72	74	76	76	75	76	75	66	59	..	71.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 7-23-43—1100.

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CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII JULY 1943 No. 7

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GENERAL SUMMARY

July was a warm, humid month. Precipitation, however, was deficient over much of the State, and some sections were suffering from droughty conditions during the latter half. However, this dry spell was generally relieved by a timely and adequate rain on the 31st. The month was unusually free of damaging storms, although there was some local damage from wind and lightning, accompanying thundershowers. In marked contrast to the two preceding months, there were no new floods, although flood conditions prevailing in portions of the Missouri and Mississippi Rivers at the close of June extended into the first part of July. Farm work, which had been seriously delayed by the prevailing wet weather and resultant flooding of bottom lands during May and June, made rapid progress and was generally up to average by the end of the month.

Temperatures were generally above normal, but no unusual extremes occurred. The month opened decidedly cool, with minimum readings on the 1st ranging from the high 40's to the low 60's, which is rather cool for July, in this State. Warmer weather began on the 2d and the remainder of the month was generally warmer than normal, with periods of rather high humidity, which made the heat rather uncomfortable. All three divisions of the State had mean temperatures approximately 2° higher than their respective 56-year averages.

Precipitation was very irregularly distributed over the State, with monthly totals ranging from as little as 0.07 inch at one station in the southwest to as much as 7.72 inches at another in the north-central section. The Northern Division had the largest average of the three State divisions, with an average of 3.68 inches, which is exactly normal. The Southeastern Division averaged 2.02 inches, or 1.43 inches less than normal, while the Southwestern Division was the driest area, with an average of 1.77 inches or 1.85 inches less that its normal. The frequency of the precipitation was as variable as the distribution, some stations reporting measurable amounts on ten or more days, while others had measurable amounts on only one or two days. The monthly totals at stations making precipitation measurements in the morning, do not give an accurate picture of the July rainfall, as all, or part, of the rain on the 31st, occurred after the morning observation and therefor was not included in the total for July at those stations.

Wheat and oat harvest was completed during the month and haying operations were still in full swing at the close of the month. The warm, dry weather was highly favorable for these activities. The progress and development of the corn crop was generally far behind the seasonal average, due to late planting, occasioned by wet weather and flood conditions in May and June. Some early corn was laid by and some was tasseling, while the late planted was just coming up and there was some apprehension that it might not mature, in event of an early frost. A shortage of stock water developed locally in some northeastern areas the latter part of the month, but this condition was largely overcome by the rain on the 31st. Cotton in the southeastern counties made good progress, but the acreage this year was considerably less than average. Soybeans also made good progress and the acreage planted to this crop was increased considerably over previous years. Pastures and ranges, in the drier areas, began turning brown the latter part of the month, but were generally revived by the drought-breaking rain on the 31st. Fruits continued only fair to poor, with picking of early peaches and apples beginning the latter part of the month.

Farm labor shortage continued to be a handicap and volunteer help was recruited in some areas to help with the harvest.—M. R. W.

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 79.6°, or 1.5° warmer than the average of the past 56 Julies. The highest monthly mean was 83.6°, at Joplin, and the lowest was 76.4°, at Grant City and Louisiana. The highest temperature recorded was 104° at Anderson, on the 22d and 24th, Nevada, on the 23d, Ozark Beach, on the 22d, and Koshkonong, on the 25th, and the lowest was 46° at Unionville, on the 1st.

PRECIPITATION

The average for the State, 184 stations reporting, was 2.49 inches, or 1.09 inches less than the 56-year July average. The greatest monthly amount was 7.72 inches at Clifton Hill, and the least was 0.07 inch at Joplin. The greatest 24-hour amount, in any observational day, was 4.30 inches at Brunswick, on the 17th. The average number of days with 0.01 inch, or more, was 6.

MISCELLANEOUS PHENOMENA

Floods.—In Grand River 6th to 12th. In Missouri River at St. Charles and below, continued from June to July 1st. In Mississippi River, in the reach from Keokuk, Iowa, to Cape Girardeau, Mo., continued from June to July 5th and in reach from Keokuk, Iowa, to Louisiana, Mo., continued from June to July 20th.

(Continued on page 39)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes—inches				Wind				Relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.21*	1	29.71*	29	5.9	23	nw.	16	85*	55*	56*	72	0
Kan. City Airp't.	30.17	1	29.69	29	8.7	39	sw.	5	80	50	50	76	0
St. Joseph	30.16*	18	29.67*	28	6.9	30	nw.	5	84*	49*	52*	75	0
St. Louis	30.20*	18	29.76*	28	9.4	26	sw.	3	71	48	51*	74	0
Springfield	30.22	18	29.81	28	7.6	32	n.	31	86	55	56	81	0
Cairo, Ill.	30.17	1	29.82	28	6.6	37	ne.	26	83	56	..	85	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport Station.

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation					Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	79.3	111	50	2.85	4.44	1.50	2.62	0	7	..	..	..
1889	77.1	107	46	4.02	4.22	3.80	4.03	0	8	..	..	..
1890	79.6	110	42	3.04	3.12	3.90	2.10	0	5	..	..	..
1891	72.7	103	45	3.23	4.13	4.16	1.41	0	8	..	..	..
1892	75.8	102	45	4.88	5.27	4.95	4.43	0	9	12	10	9
1893	77.3	103	51	4.67	4.72	6.19	3.10	0	8	14	12	5
1894	76.5	109	42	2.67	1.48	3.43	3.11	0	5	18	10	3
1895	74.4	106	45	6.77	6.36	6.91	7.03	0	10	10	12	9
1896	77.3	108	48	5.51	7.53	4.34	4.66	0	9	15	11	5
1897	78.7	106	48	3.14	4.11	2.70	2.62	0	6	19	9	3
1898	76.1	104	42	5.72	5.00	5.71	6.44	0	9	16	10	5
1899	76.0	102	43	4.50	4.88	4.32	4.30	0	9	15	11	5
1900	76.9	102	46	4.15	3.91	4.58	3.96	0	8	17	10	4
1901	85.4	116	46	2.02	2.23	1.93	1.90	0	5	19	10	2
1902	77.0	103	50	4.10	5.95	4.54	1.80	0	8	17	11	3
1903	77.4	102	51	3.40	2.79	3.56	3.85	0	8	17	10	4
1904	74.2	100	47	4.61	4.86	5.32	3.65	0	10	15	11	5
1905	73.4	101	48	8.07	4.86	9.90	9.46	0	12	12	10	9
1906	74.7	100	48	3.54	2.33	4.11	4.19	0	8	17	9	5
1907	78.4	105	51	4.56	6.62	3.78	3.28	0	8	19	8	4
1908	76.5	101	49	3.36	3.36	3.09	3.64	0	8	18	9	4
1909	76.7	102	41	6.16	7.01	6.33	5.14	0	10	17	8	6
1910	76.8	109	46	5.79	4.79	4.59	7.99	0	9	16	9	6
1911	78.0	113	43	3.68	3.41	4.78	2.86	0	8	16	9	6
1912	78.8	104	52	2.88	2.15	2.53	3.95	0	7	18	9	4
1913	80.2	108	47	3.10	2.52	2.86	3.93	0	7	18	9	4
1914	80.5	109	45	2.67	2.48	3.98	1.56	0	7	17	9	5
1915	74.6	102	42	5.74	9.05	4.39	3.78	0	12	14	9	8
1916	81.6	109	52	1.22	1.28	1.01	1.36	0	3	25	5	1
1917	77.5	107	42	3.08	1.71	3.36	4.18	0	8	20	8	3
1918	77.1	110	41	1.62	1.98	1.89	1.00	0	6	19	8	4
1919	80.0	105	50	2.30	3.00	2.21	1.69	0	5	23	6	2
1920	76.3	105	47	3.30	3.69	3.17	3.05	0	7	18	8	5
1921	80.3	109	46	2.32	2.29	2.39	2.28	0	5	20	8	3
1922	76.8	103	46	5.50	6.87	5.57	4.06	0	8	17	9	5
1923	78.2	105	50	3.16	2.61	4.29	2.59	0	6	18	8	5
1924	73.3	103	40	5.55	4.42	6.65	5.57	0	10	15	11	5
1925	77.9	106	46	2.70	2.56	2.76	2.79	0	7	16	10	5
1926	78.0	108	40	3.07	3.66	2.54	3.02	0	7	17	9	5
1927	75.8	101	48	4.16	2.82	5.38	4.28	0	8	18	9	4
1928	77.2	102	48	2.93	3.47	3.15	2.16	0	7	17	10	4
1929	77.8	104	50	4.03	5.50	2.58	4.01	0	8	16	10	5
1930	81.2	113	42	1.00	0.50	1.48	1.01	0	3	22	7	2
1931	80.3	110	49	3.31	2.83	3.45	3.65	0	7	18	9	4
1932	79.8	109	48	3.61	3.89	4.08	2.85	0	7	19	8	4
1933	79.3	108	49	2.67	1.73	2.44	3.84	0	5	18	9	4
1934	86.2	117	48	1.18	0.82	1.22	1.50	0	4	20	9	2
1935	80.8	104	53	3.30	3.90	2.06	3.94	0	6	20	9	2
1936	85.3	118	44	1.52	0.72	1.48	2.37	0	3	23	6	2
1937	77.9	105	45	4.06	4.80	3.34	4.05	0	8	17	11	3
1938	79.7	110	53	3.50	2.91	2.58	5.00	0	7	19	8	4
1939	80.0	107	51	2.91	3.13	2.24	3.37	0	6	19	9	3
1940	77.7	111	45	1.58	1.47	1.55	1.73	0	4	19	9	3
1941	79.3	110	46	2.75	2.50	3.02	2.74	0	7	16	11	4
1942	78.8	104	50	2.85	3.68	2.72	2.15	0	7	17	11	3
1943	79.6	104	46	2.49	3.68	1.77	2.02	0	6	18	10	3
Period	78.1	118	40	3.58	3.68	3.62	3.45	0	7	18	9	4

Climatological Data for July 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	77.5	.....	98	29	53	15	14	5.59	+0.96	2.75	31	0	13	17	13	1	s.	Curtis E. Grace
Bethany	Harrison	916	48	77.3	+ 1.0	96	26	56	15	50	4.51	+0.35	1.78	31	0	8	21	9	1	se.	A. S. Cumming
Brookfield	Linn	767	2	79.4	.....	97	27†	57	2	2	4.47	.....	1.52	17	0	7	16	14	1	sw.	E. W. Patrick
Brunswick	Chariton	652	62	79.2	+ 3.1	97	25†	52	1	64	6.14	+2.03	4.30	17	0	8	18	7	6	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	77.8	.....	95	28	60	2	13	5.67	+3.34	1.39	29	0	10	19[a]	6[a]	5[a]	se.	Lockmaster
Chillicothe	Livingston	779	34	77.6	+ 0.6	102	24	52	1	37	2.52	−0.90	1.01	17	0	7	28	2	1	nc.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	78.8	+ 2.4	96	27	59	1†	34	7.72	+4.36	3.98	17	0	7	21	7	3	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	80.1	+ 2.6	99	28	61	9	53	6.42	+2.93	3.07	29-30	0	7	14	13	4	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	78.8	+ 2.2	100	23	56	1†	59	4.05	−0.62	2.05	31	0	6	9	18	4	se	Fr. Adelhelm Hess
Edgerton	Platte	856	23	78.0	+ 1.9	97	23†	51	1	40	2.86	−0.64	1.25	17	0	8	5	25	1	s.	LeRoy Mindrup
Elsberry	Lincoln	449	12	79.0[a]	− 0.4	101	28	58	8	12	1.80	−0.19	0.88	31	0	4	10[a]	20[a]	0[a]	se.	John Dowell
Fayette	Howard	760	63	78.0	+ 0.8	96	27	59	1	60	5.23	+1.98	2.29	30	0	7	22	5	4	s.	Irvin E. Schnell
Fulton	Callaway	818	55	79.4	+ 1.7	97	21†	58	1	51	2.43	−0.86	1.60	30	0	7	18	10	3	s.	Frank E. Hillgartner
Grant City	Worth	1,134	39	76.4	+ 0.2	96	26†	55	15	51	4.59	−0.04	2.75	31	0	6	16	12	3	ne.	Howard Rybolt
Hannibal	Marion	759	51	77.6	+ 0.8	97	28	58	2	59	3.29	+0.20	0.93	4	0	7	13	14	4	se.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	81.3	+ 3.2	103	23	60	1	54	3.39	−0.43	0.93	17	0	11	14	11	6	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	79.4	.....	98	23†	48	1	5	4.59	.....	1.54	17	0	9	20	8	3	sw.	University of Kansas City
Kidder	Caldwell	1,020	51	77.9	+ 1.3	96	28	58	1†	55	5.37	+1.49	1.81	4	0	6	14	15	2	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	78.7	+ 2.7	96	26†	56	2	61	6.23	+1.93	2.14	4	0	9	14	17	0	sw.	P. O. Selby
Lawson	Ray	1,070	5	78.2	.....	98	23	58	1†	5	4.03	.....	1.43	17	0	9	29	2	0	sw.	Frank G. Gstrein
Louisiana	Pike	469	49	76.4	0.0	98	28	55	1	62	2.66	−0.94	1.20	17	0	7	25	6	0	s.	Stark Bro's Nurseries
Macon	Macon	875	44	77.6	+ 0.4	95	20†	49	1	50	2.44	−0.97	1.50	25	0	8	14	9	8	se.	John W. Atwell
Maryville	Nodaway	1,169	53	77.6	+ 1.9	96	23†	57	1	49	3.95	−1.28	1.87	31	0	8	17	8	6	sw.	R. B. Montgomery
Memphis	Scotland	787	4	77.2	.....	97	26	54	1	13	3.89	+1.09	1.40	5	0	10	20	9	2	sw.	John W. Alexander
Mexico	Audrain	800	54	79.9	+ 2.6	102	28	58	1	65	2.76	−0.45	1.10	17	0	9	19	7	5	sw.	Mrs. Abbie Snoddy
Moberly	Randolph	875	6	78.6	.....	94	12†	55	1	6	4.23	.....	....	.....	0	8	12	13	6	sw.	Moberly Water Dept.
New Florence, 1 mi SE	Montgomery	885	0	78.4	.....	99	27	59	1	1	2.82	.....	0.88	31	0	7	10	14	7	w.	U. S. Weather Bureau
Oregon	Holt	1,048	87	80.0	+ 4.4	102	23	58	1	87	1.51	−2.67	0.90	30	0	7	24	6	1	se.	Miss Mina Wright
St. Charles	St. Charles	520	55	80.5	+ 2.4	100	21†	58	1	65	0.36	−2.63	0.11	4	0	5	27	3	1	nw.	Martin L. Comann
St. Joseph	Buchanan	957	33	80.0	+ 2.6	97	23	61	1	71	2.39	−1.39	0.78	29-30	0	9	22	9	0	se.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	78.4	.....	98	28	57	1	5	2.17	.....	0.78	17	0	9	21	9	1	nw	Lockmaster
Shelbina	Shelby	779	2	78.0	.....	99	26	55	2	50	3.40	−0.47	1.24	24	0	7	27	4	0	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	77.9	+ 0.1	96	12†	52	2	50	5.16	+1.05	2.68	4	0	8	16	12	3	se.	Samuel D. Gross
Tarkio	Atchison	916	40	77.6	+ 0.8	97	23†	50	1	49	3.42	−0.73	1.21	30	0	8	9	19	3	se.	Albert Volker
Trenton	Grundy	822	47	78.6	+ 1.8	98	28	57	2	48	4.99	+0.92	2.20	31	0	10	20	9	2	s.	W. H. Estes
Unionville	Putnam	1,062	50	77.5	+ 1.0	98	9	46	1	50	4.69	+0.57	2.00	24	0	8	21	9	1	se.	C. D. Wilson
Warrenton	Warren	816	61	79.4[a]	+ 1.6	100	21†	60	1†	53	2.62	−0.52	1.26	30	0	5	21	7	3	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	79.0	+ 2.1	98	28	60	2	71	6.58	+3.17	2.93	4	0	11	14	14	3	sw.	U.S. Weather Bureau
Division means and extremes		.....	..	**78 5**	**+ 1.6**	**103**	**23**	**46**	**1**	..	**3.68**	**0.00**	**4.30**	**17**	**0**	**8**	**18**	**10**	**3**	**se.**	
Southwestern Division																					
Anderson††† 1½ mi SW	McDonald	1,000	39	80.2	+ 2.9	104	22†	52	9	44	0.17	−4.24	0.09	18	0	3	30	1	0	sw.	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	79.4	+ 1.2	100	23	56	9	51	0.92	−3.39	0.22	19	0	7	18	12	1	sw.	Rolla Brown
Bolivar	Polk	1,071	40	80.5	+ 3.2	103	23	54	1	48	0.53	−3.19	0.19	31	0	6	17	9	5	w.	Southwest Baptist College
Boonville	Cooper	650	5	77.8	.....	94	21	56	1	66	2.66	−0.58	1.37	17	0	5	19	6	6	sw.	Boonville Water Dept.
Carthage	Jasper	962	9	81.5	.....	101	21†	55	9	19	0.64	.....	0.48	18	0	2	8	20	3	s.	Carthage W. and E. Plant
Clinton	Henry	786	50	80.2	+ 1.9	103	23	57	9	56	3.99	+0.56	1.39	31	0	9	16	14	1	e.	U. S. Weather Bureau
Eldon	Miller	934	48	78.4[b]	+ 1.2	98	21	50	1	44	3.28	+0.06	1.58	25	0	8	14[b]	11[b]	4[b]	nw	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	80.4	.....	100	25	55	1	2	0.39	.....	0.30	19	0	3	17	13	1	ne.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	79.4	+ 1.7	100	23	56	1	68	2.98	−0.63	1.24	17	0	9	12	13	6	se.	John H. Patterson
Jefferson City	Cole	557	53	79.3	+ 1.2	98	21†	56	1	61	3.20	+0.09	0.87	30	0	8	19	5	7	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	83.6	+ 5.5	102	23	59	1	38	0.07	−4.55	0.06	5	0	2	21	7	3	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	....	.....	..	..	..	..	12	2.82	+0.67	1.55	25	0	6	19	9	3	.....	W. S. Frame
Lamar	Barton	980	55	78.4	0.0	98	23	52	1	62	2.05	−2.17	2.05	18	0	1	27	4	0	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	77.8	+ 0.9	100	21†	50	1	56	0.71	−3.25	0.38	16	0	5	11	13	7	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	80.2	+ 2.8	99	23†	54	1	59	3.71	−0.30	3.05	17	0	9	22	8	1	se.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	82.0	+ 4.4	103	23	55	1	47	0.96	−3.80	0.95	18	0	2	20	11	0	sw.	Hubert A. Nieman
Marshall	Saline	779	56	79.6	+ 2.1	96	21†	60	1	53	4.27	+0.70	2.03	17	0	8	15	14	2	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	79.2	+ 2.8	102	25	52	1	46	1.32	−2.57	0.60	31	0	6	12	19	0	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	....	.....	..	..	..	..	43	....	.....	....	.....	.	..	..	..	..	.....	Mrs. Bessie E. Boswell
Neosho	Newton	1,011	56	80.6	+ 3.1	103	23	53	9†	60	0.40	−4.25	0.30	24	0	3	4	27	0	s.	U. S. Fisheries Station
Nevada	Vernon	862	50	80.8	+ 1.2	104	23	56	9	51	1.39	−2.27	0.47	11	0	6	21	6	4	sw.	Henry Kraft
Ozark Beach	Taney	700	3	82.2	.....	104	22	58	1	18	0.11	−3.28	0.07	12	0	3	8	23	0	se	A. J Sharp
Sedalia	Pettis	910	30	80.6	+ 3.1	98	21†	58	9	32	4.26	−0.18	2.35	17	0	6	20	7	4	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	78.8	+ 2.1	99	24	54	1	40	2.15	−1.97	0.98	24	0	3	24	7	0	sw.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	37	77.7	+ 2.2	97	25	51	1	37	1.78	−2.16	0.78	15	0	5	25	5	1	se.	A. L. Hailey
Springfield ½ mile E	Greene	1,301	55	79.2	+ 3.0	97	23	53	1	55	2.39	−1.82	1.82	31-1	0	4	10	15	6	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	79.0[c]	.....	98	28	55	9	2	4.17	.....	2.33	17	0	10	19[a]	11[a]	0[a]	s.	H. F. Nelson
Warrensburg	Johnson	878	56	81.4	+ 2.6	102	23	58	1	63	3.16	−0.81	1.98	30	0	6	22	9	0	sw.	Central Teachers College
Warsaw	Benton	687	42	80.6	+ 2.3	103	23	54	1	48	0.61	−3.40	0.35	31	0	6	11	16	4	s.	Dora B. Johnson
Wasola	Ozark	1,294	2	80.0	.....	103	25	49	1	3	1.59	.....	0.78	17	0	4	23	8	0	s.	A. W. Pinckney
Division means and extremes		.....	..	**80 0**	**+ 2.3**	**104**	**22†**	**49**	**1**	..	**1.77**	**−1.85**	**3.05**	**17**	**0**	**5**	**17**	**11**	**3**	**sw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	6	79.8	.....	100	17†	50	1	6	2.73	.....	1.24	31	0	7	11	12	8	sw.	U. S. Weather Bureau
Arcadia	Iron	926	62	78.6	+ 2.8	101	25	50	1	65	1.85	−2.27	0.77	19	0	5	18	8	5	s.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	48	80.4[c]	+ 3.8	100	25	53	1	49	2.31	−1.27	1.05	31	0	7	23	8	0	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	81.2	.....	99	21	53	1	12	1.44	−2.54	0.83	26	0	4	25	6	0	sw.	Paul B. Hutchens
Campbell	Dunklin	314	17	82.8	+ 2.4	103	21	62	1	17	0.95	−2.53	0.47	18	0	3	24	7	0	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	81.7	+ 0.4	98	17†	57	1	51	1.23	−2.06	0.83	31	0	2	27	0	4	s.	Victor T. Malloure
Crystal City	Jefferson	420	9	78.2	.....	99	21†	56	1†	9	2.65	−0.56	1.38	30	0	4	8	14	9	s.	Frank Magre
Doniphan	Ripley	344	39	80.9	+ 2.3	103	25	49	1	39	1.47	−2.57	0.91	31	0	4	28	3	0	sw.	Boyce Lackey
Farmington	St. Francois	896	32	78.3	+ 2.0	99	21†	51	1	46	2.39	−1.17	0.99	31	0	7	9	17	5	n.	F. M. Karsch
Goodland	Iron	1,000	50	77.4	+ 1.8	102	25	49	1	50	2.88	−0.81	0.89	19	0	7	25	3	3	s.	F. M. Adams
Greenville	Wayne	381	34	....	.....	..	..	..	..	36	....	.....	....	.....	....	..	..	..	..	.....	Benford Shoemake
Jackson	Cape Girardeau	428	52	81.6	+ 4.0	100	17†	53	1	53	0.88	−2.66	0.39	19	0	5	9	7	15	s.	John G. Putz
Koshkonong	Oregon	958	42	80.2[b]	+ 1.4	104	25	48	1	43	0.22	−3.55	0.12	4	0	2	21[b]	8[b]	0[b]	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	6	79.0	.....	99	21†	50	1	6	2.98	.....	1.95	26	0	4	21	6	4	w.	U. S. Forestry Service

Continued on next page

Climatological Data July for 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	0	83.0	.....	102	17	56	1	0	1.93	.....	1.35	31	0	5	11	14	6	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	79.6	+ 1.8	98	25	50	1	50	3.52	−0.50	1.12	5	0	7	21	9	1	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	38	81.4	+ 2.2	103	25	53	1	39	0.95	−2.99	0.47	19	0	4	22	9	0	sw.	B. R. Wheetley
Rolla	Phelps	1,202	43	....	.....	..	..	..	..	59	0.84	−2.55	0.41	18	0	4	..	..	..	.....	U. S. Forest Service
St. Louis	**St. Louis City**	465	106	81.8	+ 3.0	99	28	61	1	106	1.31	−1.67	0.77	31	0	8	15	11	5	sw.	**Section Center**
St. Louis Airport	St. Louis	556	6	80.6	+ 2.8	101	21	61	1	12	2.91	+0.25	2.16	31	0	8	9	20	2	n.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	81.6	+ 1.1	100	28	61	1	31	2.58	−0.60	1.73	31	0	7	17	11	3	nw.	St. Louis University
Salem	Dent	1,173	39	78.5	+ 1.7	99	25†	50	1	42	1.50	−2.00	0.92	19	0	4	25	6	0	s.	E. E. Martin
Sikeston	Scott	318	36	81.2	+ 2.6	101	17†	54	1	46	1.26	−2.16	0.40	27	0	6	22	8	1	sw.	Mrs. Hazelle P. Young
Union	Franklin	520	5	79.6	.....	103	21	53	1	26	2.13	−1.81	1.03	30	0	5	3	26	2	s.	P. J. Politte
Vichy 2 mi. NW	Maries	1,125	7	79.7	.....	98	21	56	1	8	2.52	.....	1.33	31	0	6	10	15	6	sw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	81.6	.....	101	17	55	1	4	1.75	.....	1.20	19	0	5	25	4	2	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	80.0	.....	99	21†	54	1	3	2.82	.....	0.95	19	0	5	18	13	0	nw.	William J. Miller
West Plains	Howell	1,005	6	79.4	.....	101	25	48	1	6	1.34	.....	0.61	5	0	4	13	16	2	w.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	78.2	.....	101	25	53	1†	36	1.08	−2.72	0.33	6	0	6	19	11	1	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	82.4	+ 2.8	98	17	57	1	72	2.08	−0.99	1.69	31–1	0	9	11	12	8	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**80.3**	**+ 2.3**	**104**	**25**	**48**	**1**	..	**2.02**	**−1.43**	**3.50**	**18**	**0**	**5**	**18**	**10**	**8**	**s.**	
State means	**and extremes**	.....	..	**79.6**	**+ 1.5**	**104**	**22†**	**46**	**1**	..	**2.49**	**−1.09**	**4.30**	**17**	**0**	**6**	**18**	**10**	**3**	**sw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

Figures and letters following station indicate distance and direction of station from the city.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs,

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for July 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside ..... (Osage Dam)	Evaporation ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Mean temperature	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis ..... (Washington University)	Evaporation	.238	.197	.202	.179	.187	.239	.210	.150	.235	.179	.291	.133	.178	.236	.202	.232	.285	.161	.162	.244	.266	.255	.306	.208	.115	.219	.268	.247	.281	.234	.130	6.669
	Mean temperature	70	76	80	82	81	80	74	72	76	78	80	82	82	82	80	86	83	80	84	84	86	82	78	78	84	86	85	86	86	80	80	80.8
	Wind movement ..	36	22	17	43	17	19	23	31	35	18	29	4	13	21	26	21	33	27	16	26	18	26	30	16	13	24	23	15	25	28	16	711

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 37)

Fog.—Heavy, 8th, 20th, 28th.

Windstorms.—On 3d at St. Louis and Cameron with damage to trees in southwest section of St. Louis. On 5th at Maryville, Oregon, Pleasant Hill, and Cameron; at Maryville and Oregon damage was done to trees while at Pleasant Hill wheat and oats were damaged; at Cameron damage occurred to trees and wires. On 18th at New Madrid with damage to telephone poles and wires. On 31st near King City, at Maryville, and St. Louis and vicinity; near King City small damage was done to some outbuildings while at Maryville trees were damaged and at St. Louis and vicinity trees and wires were damaged.

DEATHS FROM LIGHTNING

Two men where struck and killed by lightning during July, one on the 3d at St. Louis and another in St. Charles County on the 31st. On the 31st several head of stock were killed at Pleasant Hill.

Lightning damage also occurred in St. Louis and suburbs on the 3d and 31st and at Columbia on the 30th; also at New Madrid on the 18th.

ERRATA

April 1943, page 20: Greatest 24-hour precipitation and date at Bolivar and Kidder should be 0.92 and 11 and 0.64 and 27, respectively. Date of greatest 24-hour precipitation at Albany, Carthage, Jefferson City, Moberly, Nevada, Saverton, Warrensburg, and Wasola, should be 26, 11, 21-22, 22, 11, 9, 11, and 11, respectively.

May 1943, page 26: Total precipitation, departure, and days with 0.01 inch or more at Appleton City should be 16.10, +11.30, and 17 respectively. Page 27: To Miscellaneous Phenomena table add: Floods.—In Black River 21st-23d. Mean temperature at West Plains should be 65.6. Page 28: Precipitation on 4th at Appleton City should be blank; total should be 16.10. Precipitation on 17th and 18th at King City should be * and .41, respectively. Page 30: Minimum temperature at West Plains on 6th should be 61; mean minimum should be 54.8.

June 1943, page 32: Mean temperature and departure at Columbia and Warsaw should be 75.8 and +2.3 and 75.7 and +1.9, respectively. Date of maximum temperature at New Florence should be 26. Prevailing wind direction at Harrisonville should be sw. Date of greatest 24-hour precipitation at Sedalia should be 4. Greatest 24-hour precipitation at St. Joseph should be 6.89. Mean temperature at Advance should be 77.1. Page 33: Date of maximum temperature at West Plains should be 26†. Page 34: Precipitation on 21st at Jefferson City and on 25th at Lebanon should be none. Precipitation on 26th at Lebanon should be T. Page 35: Precipitation at Advance on 9th and 10th should be none and .38 respectively. Page 36: Minimum temperature at Columbia on 20th should be 73; mean minimum should be 67.2.

Daily Precipitation for July 1943

Stations	Drainage-basius	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand	.01		*	.47	.19									T.		.19	.63		.06	.48	.01				.16			.02		.62	2.75	5.59
Amity[2]	do	T.			1.01	1.28							T.		T.		.02	1.16		.02			T.			.38				T.	.43		4.30
Bethany	do				.68	.33									.14		.07	.20		.09													4.51
Bowling Green[2]	Mississippi				.48	.56											.42	.39	.24												.17			2.26
Brookfield	Grand	T.				.45									T.		.90	1.52		.02					.05						.35	1.18	4.47
Brunswick[2]	do			T	.03	.08											.28	4.30	.03											.12	1.20	.10	6.14
Cantou, Lock No. 20[2]	Mississippi				.73	.80	.34								.02		.57	.93	.02						.48	.39				1.39	T.		5.67
Centralia[2]	do																	1.95								.48				.16	.30		2.89
Chillicothe[2] (A)	Grand					.31									.04		.63	1.01		.01										T.	.51	.01	2.52
Chillicothe[2] (B)	do	T.			.15	.09									T.		.37	1.77	.02	T.										T.	.14	.03	2.57
Clifton Hill	Chariton																1.33	3.98		.02					.56					.04	.35	1.44	7.72
Columbia [1‡]	Missouri	T.			T.	.68									T.		.03	.58		T.					1.52					T.	3.00	.54	6.42
Conception	do				.27	.17											.21			.16	T.	T.								T.	T.	1.19	2.05	4.05
Edgerton	do	T.			.85										.08	.14	.12	1.25		.05		T.							T.	T.	.17	.20	2.86
Edina[2]	Mississippi				2.16	.38	.88								.20		.02	.62	T.						T.	.96				.39	T.		5.61
Elsberry	do				.55												.15														.22	.88	1.80
Elsberry S. C. S.[2]	do				.42	.16												.16												.18	.38	T.	1.30
Farber[2]	do				.11								.97					1.30	.03							.10				.29	.04		2.84
Fayette	Missouri	T.		.03		.15											.15	1.82	T.											.26	2.29	.53	5.23
Fulton[2]	do				.23	.29												.20							.02					.06	1.60	.08	2.43
Gallatin[2]	Grand				1.65	.15									.06		.18	.89		.07										T.	1.80	T.	4.80
Grant City	do			T.	.29	.60											.48			.15	.32	T.								T.	T.	2.75	4.59
Hannibal[3] (A)	Mississippi				.93												.58	.36	.04	T.					.23					.41		.74	3.29
Hannibal[2] (B)	do				.85	.13												.80	.08	.11						.22				.43	.05		2.67
Hermann[2]	Missouri				.72		.04																			.03					1.70	.30	2.79
Kahoka[2]	Mississippi				.50	1.40	.27								.05			.06		.28					*	.60			1.15	.40			4.71
Kansas City Airport[1‡]	Missouri	.05	T.	.01	.10	.12									T.	.01	.05	.93	T.	.43										.05	.81	.83	3.39
Kansas City University	do	T.			.07	.71										.05	.06	1.54	.02	1.29											.74	.11	4.59
Kidder[2]	Grand				1.81	.98											.08	.87		.04											1.59		5.37
King City	Missouri				.72	.39											.15	.15		.13		T.				.32			.93			1.56	4.35
Kirksville	Mississippi	T.			2.14	.73	.01								.60		.45	.17	T.						1.40					.05	T.	.68	6.23
LaBelle[2]	do				1.40	1.10	T.								.10		.10	.80	.05						T.	.65				.12	T		4.32
Lawson	Missouri	1.16		.32	.04	T.									.12	.02	.34	1.43		T.						T.				.35	.25		4.03
Linneus[2]	Grand				.41	.05									.04		.02	.92	T.	.01					.12	.03				.03	.14		1.77
Louisiana[2] (A)	Mississippi				.34												.44	1.20	.15	.24										.17	.12		2.66
Louisiana[2] (B)	do				.30	.03		.04									.37	1.27	.25	.18										.15	.29		2.88
Lucerne[2]	Grand	.01			.81	.35									.17		.28	.08							.37								2.07
Macon[2]	Chariton				.03	.01	.02											.79		T.						1.50	.02			.03	.04		2.44
Madison[2]	Mississippi				T.	.02									.01		T.	.56		.08						1.98				.07			2.72
Maryville	Missouri			T.	.09	.16											.65			.81		.03							T.	.06	.78	1.87	3.95
Memphis[2]	Mississippi				.46	1.40	.06								.11		.08	.33		.48					.24	.22				.51			3.89
Mexico[2]	do				.05	.18							.75					1.10	.03							.20				.03	.32	.10	2.76
Milan[2]	Grand				1.80	.12							.25				.10	.41							.72	.08					.03		3.51
Moberly[2]	Mississippi				.06	.03											.86	.98							*	1.94				.04	.32		4.23
Monroe City	do				.05	.18												.54							.98					.59		.84	3.18
New Florence[4]	Missouri	T.	T.	T.	.60	.32												.09	T.						.02					.43	.48	.88	2.82
Oregon	do				T.	.15							.02				.15			.25		T.							.02	T.	.90	.02	1.51
Palmyra	Mississippi				1.20												.60	.36		T.					.29					*	.60	.45	3.50
Paris[2]	do				T.													.34	.04							.78	.07			.13	.02		1.38
Perry	do																	.70							.37					.42	.07	1.50	3.06
Philadelphia[2]	do				1.49	1.98												.10	.92							.68				.59		.26	6.02
St. Charles[2]	Missouri				.11	.05										T.						T.								.09	.10	.01	0.36
St. Joseph[1‡]	do			.58		.38							.08				.09	.40		.05		T							T.	.23	.55	.03	2.39
Saverton, Lock No. 22[2]	Mississippi				.43	.34											.10	.78	.04	.10						.08	.05			.25	T.		2.17
Shelbina	do				.04	.07											.04	.48							1.24					.33		1.20	3.40
Shelbyville[2]	do				2.24													1.22							1.32					.42			5.20
Steffenville	do	T.			2.68	.28									T.		.26	.37							.66	.02				.21		.68	5.16
Tarkio	Missouri					.87										.21	.32			.51		.11							.11		1.21	.08	3.42
Trenton	Grand			.31	.74	.22									.26		.05	.77		.11					T.					.01	.32	2.20	4.99
Troy[2]	Mississippi				T.																									.07	.05		0.12
Unionville[2]	Chariton				1.20	.72	.11								.30	.24	.05								2.00	.07							4.69
Warrenton	Mississippi				.33	.06																			T.					.16	1.26	.81	2.62
Keokuk, Iowa[3]	do			.03	2.93	.58									.13	.52	.25	.15		T.					.40				.01	.70		.88	6.58
Southwestern Division																																	
Altona[2]	Osage					.40										T.	.30	.24	.05	.45											.10	.28	1.82
Anderson[2]	Neosho			.05	.03														.09														0.17
Appleton City	Osage					.20												.15	.17	.22										.10	.04	.01	0.92
Ava Ranger Station[2]	White					.29								.09		.25																	0.63
Bakersfield[2]	do																																
Bolivar	Osage			.03	T.	.18						T.				.02	T.	.02	.09	T.											T.	.19	0.53
Boonville[2] (A)	Missouri					.72												1.37								.25				.12	.20		2.66
Boonville[2] (B)	do					.80												1.40	.05							.24					.34		2.83
Buffalo[2]	Osage					.02													.13		.81												0.96
Butler[2]	do					.45									.02			.35	.15	.11											.08		1.16
Caplinger Mills[2]	do						T.												.25														0.25
Carthage	Neosho					.16													.48														0.64
Clinton[4]	Osage					.18									.29	.39		.16	.07	.48											.01	1.02	1.39	3.99
Concordia	Missouri	.02				1.28							T.				.05	2.73		.02						.05				T.	.45		4.60
Crocker	Osage		T.													.30			.04						.07					.04	.16	.10	0.71
Eldon[2]	Missouri			.39	.02	.03												.81		.28						1.58					.03	.14	3.28
Eldorado Springs	Osage				T.	T.									.10			.60	.25											T.	T.	.40	1.35
Elijah[2]	White					.12											.03		.12		.08							T.					0.35
Fort Leonard Wood	Gasconade					T.													.03	.30		T.		T.						T.	.06	T.	0 39
Galena[2]	White				.19		.17						.07				.23								.45								1.11
Hailey	do				.21	.12												1.01	.09						.30								1.73
Harrisonville[2]	Osage		.04			.36											.71	1.24	.10	.42	.02									.04	.05		2 98
Jefferson City[2]	Missouri				.27	.61												.30		.67						.37				.01	.87	.10	3 20
Joplin[1]	Neosho					.06																									.01		0 07
Lakeside[2]	Osage				.31	T										T.		.01	T.	.83	T.					1.55				T.	.06	.06	2 82
Lamar[2]	Neosho					T.													2.05														2.05
Lebanon[2]	Osage					.02											.38		.10	.18	.03										T.		0.71
Lexington[2]	Missouri	.05	T.		.03	.10											.11	3.05	.05	.06										.06	.20		3.71
Lockwood	Osage			T.								.01			T.			T.	.95														0.96
Macomb[2]	White					.07																					.12						0.19
Marshall	Missouri				T.	.97											.03	2.03		.01					.70					.10	.16	.27	4.27
Marshfield[2]	White																			T.		.15				.23	.26				.03	.60	1.32
Mountain Grove	do				.05	T.																											
Mount Vernon	Neosho															T.		T.	.07						.30			.03					0.40
Neosho	do																															.20	1.39
Nevada	Osage				T.	.07						.47	T		.04		T.	.28	.33			T.										.05	0.71
Osceola[2]	do					.04							.42				.07	.01	.07	.05													0.11
Ozark Beach[2]	White												.07				.02		.02														

Continued on next page

Daily Precipitation for July 1943 — Continued from preceding page

Stations	Drainage basins	Day of month																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division — Concluded																																
Pierce City[2]	Neosho						.22												.78													.04	1.04
Pineview Lookout[2]	White																																
Pleasant Hill[2]	Osage	.02	.06		.01	1.07											.47	.74	.14	1.04	.07									.02	.22	.07	3.93
Roby	Gasconade				.10														.25							.83	1.00				.21	1.51	3.90
St. Thomas[2], 2¼ mi SW	Osage																																
Sedalia	Missouri					.09												2.35		.68										.18	.87	.09	4.26
Seligman	Neosho			.24											T.			.93							.98								2.15
Seymour	White				.03											.78			.73		.20											.04	1.78
Shell Knob[2]...3 mi. SE	do																																
Siloam Sprgs Lookout[2]	do																		1.20														
Springfield [1‡]	do			.16	T.										T.			.02	1.04							T.		.30					1.50
Stover[2]	Missouri					•												.47		.56											T.	1.17	2.39
Sugar Camp Lookout[2]	White																																1.03
Sweet Springs	Missouri	.03		T.		.70					.01						.29	2.33		.03						.13				.29	.21	.15	4.17
Tecumseh[2]...¼ mi. W	White				.10														.63								.88					.09	1.70
Topaz[2]	do					.41	T.									.18	.12		.15								.80				T.	1.69
Vanzant[2]...3¾ mi. SE	do					.55	.06									.10	.83		.14								.05						1.73
Warrensburg	Missouri	T.				.27											.30	.50		.06						T.				1.98	.05	3.16
Warsaw[2].....(A)	Osage					.02											.02		.01		.20										.01	.35	0.61
Warsaw[2].....(B)	do					T.										T.	T.	T.	T.	.03	T.										.27		0.30
Wasola	White														.12	.04		.78	T.	T.											.65		1.59
Waverly[2]	Missouri					.22												1.62		T.						.08				.07	.11		2.10
Southeastern Division																																	
Advance[4]	St. Francis			T.	T.	.51												.48	.10							.09	.15				.16	1.24	2.73
Alton..... 10 miles SE	Black					.39														.13	.04											.56	1.12
Annapolis	St. Francis					.10												.50	.40													.06	1.06
Annapolis..4½ mi. NW	do				.32	.49			T.								T.		.86	.09							.08					.03	1.87
Arcadia[2]	do				T.	.31										T.			T.	.77	.12									.07	.55	1.85
Banner	Black				.34	.15								.18	T					1.04									T.			.08	1.79
Belleview[2]	Meramec			1.02															1.04												.06	1.26	3.38
Birch Tree	Black				.01										T.			.10	.20	.21								.67			.07	1.05	2.31
Bragg City	St Francis			T.		T.	T.						T	T.	.02	T.											.83	.05			T.	.54	1.44
Bunker[2]... 4 miles NW	Black					.47							.37	.04																	.03	.39	1.30
Campbell	St. Francis						T.								T.				.47									.37				.11	0.95
Cape Girardeau[2]	Mississippi				.21	.11	T.												.01	.76							.02	.01				.12	1.24
Caruthersville[2]	do																											.40				.83	1.23
Centerville[2]	Black				.08	.21										.38			.05	.51							.01					.17	1.41
Crane Mountain[2]	St. Francis				.50	.55													.34	.45											.08	.16	2.08
Crystal City	Mississippi			.46											.18																1.38	.63	2.65
Deering[2]	St. Francis																															.16	0.37
Dexter[2]	do																			1.75	.10							1.37				.34	3.56
Doniphan	Black					T.									.39				.09								.08					.91	1.47
East End[2]	Meramec					.18													1.56														1 74
Eastwood Lookout[2]	Black																																
Ellington[2]	do																			1.70													1.70
Ellsiuore Lookout[2]	do					.20	.11	.10											.32	1.20								.05	.50			.12	2.60
Farmington	St. Francis			.25	.01										.06	T.			.05	.67											.36	.99	2.39
Fisk[2]	do																		.06							T.	.37						0.43
Fredericktown[2]	do				.12											.47			T.	T.	.10						.21				T.	.21	1.11
Gerald[2]	Meramec				.15	.32														.63										.33		.87		2.30
Goodland	Black					.39													.20	.09	.89					.16						.80	.35	2.88
Greenville	St. Francis																																
High Lookout[2]	Black						T.									.05			3.50		.35										T.		3.90
Jackson	Mississippi					.24									.04			.11		.39											.10		0.88
Jerome[2]	Gasconade					.05											.40			.40			.72		.04						.20		1.81
Koshkonong	Black				.12	.10																											0.22
Leeper[2]	do					1.26												2.57	1.03									.17				.07	5.10
Licking	Gasconade															.20			T.	.36							1.95				.47	T.	2.98
Macedonia Lookout[2]	Black															.11				.65	.79							.34					1.89
Malden[4]	Mississippi					T.		T.										T.	.02	.04					T.		.50				.02	1.35	1.93
Marble Hill	do			.19		1.12										.32			.27	.64							.84				.14		3.52
Meramec Park[2]	Meramec					T.													2.02							T.	.28				.08	.58	2.96
Morehouse	Mississippi						.02												.30	.10							T.	1.34			.24		2.00
New Madrid[2]	do					.02									T.					1 91						.01	.26	.37				1.10	3.67
Owensville[2]	Gasconade				.12															2.74							.34				.68		3.88
Pacific[2]	Meramec				.09	.05	.01							T.				T.								.06					.72	.31	1.24
Parma[2]	St. Francis																			.35								.06				.10	0.51
Perryville[2]	Mississippi				1.29			.02								2.61		.03	.04	.52												.30	4.81
Pilot Knob[2]... 2 mi. NE	St. Francis			.11	.26													.43	.48											.63	.23	.93	3.07
Poplar Bluff[2]....(A)	Black																		.28	.47	.15							.05		T.			0.95
Reynolds[2]	do					.45														.33													0.78
Richwoods[2]	Meramec				.25	T.										.08	.01		1.20													.79	2.33
Rollin[2]	do					T.													.41				.38				.02				.03	T.	0.84
Round Spring[2]	Black																																
St. Louis:																																	
City Office[1‡]	Mississippi	T.		.13	.03	.04	T.	T.					T.							.10		T.			.01			T.		.06	.17	.77	1.31
Airport[4]	Missouri	T.	T.	.16	.06	T.	T.								T.				T.	.23		.03			.01					.14	.12	2.16	2.91
St. Louis Univ.[3‡]	Mississippi	T.		.45	.01	.09							.01																	.08	.21	1.73	2.58
Washington Univ.[3]	do				.46	.16										.01														.05	.22		0.90
Salem[2]	Meramec																			.92	.18		.09									.31	1.50
Sikeston[2]	Mississippi																		.12	.13							.06	.26	.40			.29	1.26
Summersville[2]	Black				.22		.09									.04	.21			1.32	.12						T.					.26	2.26
Union	Meramec			.03	T.	.01										.04														T.	1.03	1.02	2.13
Valley Park[2]	do				.17	.26	T.																			T.					T.	.36	0.79
Van Buren	Black														.62			2.82	.28												.34		4.06
Vichy[4]	Meramec			T.	T.	.08									.35					.63		T.			T.					.05	.08	1.33	2.52
Wappapello Dam[2]	St Francis					.11										T.			.14	1.20								.02				.28	1.75
Weingarten	Mississippi			.50													.20			.95											.53	.64	2.82
West Plains[4]	Black				.12	.64			T.						T.	.08		.50	T.	T.						T.	T.	T.			T.	1.34
Wilderness[2]	do											.50																	.45	.10			1.05
Williamsville[2]	do					.07										.07	.07		.94	.76	.02							.17				.06	2.16
Willow Springs[2]	White				T.	.19	.33									.28	.06	.04			T.						.18					T.	1.08
Winona Ranger Sta.[2]	Black				T.											.32			1.02	.25	.40							.68				.44	3.11
Zalma.....3½ miles S	Mississippi					.20													.56								.60				.03	.08	1.47
Cairo, Ill [1‡]	do			.10	.29	.17									T			T.	T.	.01			.01		.04	T.	.66				.12	.68	2.08

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. || Partially estimated. |||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for July 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	77	84	93	94	89	86	82	90	91	90	93	96	95	89	94	91	87	85	91	96	95	89	94	87	97	96	97	97	94	90	94	91.1
	Minimum	52	61	63	66	72	69	67	65	61	61	63	68	69	72	62	63	69	68	68	67	67	69	67	67	73	74	72	72	73	71	71	67.2
Chillicothe §§	Maximum	77	81	91	92	87	83	83	86	89	89	91	94	94	88	92	93	85	85	93	95	91	87	102	94	92	95	95	96	93	89	91	90.1
	Minimum	52	58	56	56	57	60	66	63	63	62	69	67	67	69	62	64	69	65	66	66	67	65	66	66	72	71	70	71	72	70	70	65.1
Columbia	Maximum	75	86	91	92	90	88	81	87	90	91	94	94	94	87	93	95	86	84	92	95	96	90	96	84	93	94	96	99	94	87	91	90.5
	Minimum	61	65	71	75	70	68	66	63	61	65	68	73	74	73	69	77	70	70	70	67	73	72	68	70	73	74	72	73	74	68	69	69.7
Fayette	Maximum	73	83	90	89	90	86	82	85	87	90	91	93	92	86	91	93	87	82	91	93	95	87	93	86	93	92	96	95	92	87	91	89.1
	Minimum	59	62	64	65	66	66	65	62	60	62	64	67	69	73	63	74	67	67	67	66	72	67	63	70	70	72	68	69	73	69	70	66.8
Grant City	Maximum	75	84	86	90	85	83	83	85	88	88	85	91	86	87	90	89	83	86	89	92	92	85	95	94	90	96	94	93	96	94	92	88.4
	Minimum	57	56	61	67	65	60	64	59	60	63	61	69	62	60	55	72	68	61	63	61	70	62	65	73	73	66	69	67	74	69	67	64.5
Hannibal	Maximum	78	85	91	92	89	84	81	82	86	89	90	94	94	84	90	92	84	84	89	93	93	85	88	84	90	93	95	97	92	90	93	88.4
	Minimum	60	58	67	68	68	66	65	61	64	65	68	71	71	69	63	70	69	65	68	65	71	66	63	68	70	71	71	71	68	69	66	66.9
Kansas City Airport.	Maximum	70	89	92	91	89	89	83	87	89	91	94	95	94	87	91	97	86	86	91	97	99	88	103	99	94	94	96	100	96	89	89	91.5
	Minimum	60	65	71	76	71	70	67	66	64	67	67	75	76	70	66	76	71	73	68	72	78	71	72	81	77	74	73	75	78	70	68	71.2
Kirksville	Maximum	80	86	92	91	88	86	84	87	87	90	94	95	95	91	91	91	90	83	94	95	93	93	94	93	93	96	95	95	96	92	90	91.0
	Minimum	57	56	64	70	66	64	63	63	64	63	67	70	72	68	62	72	69	62	67	65	73	61	62	69	71	69	70	71	71	70	67	66.4
Lawson	Maximum	71	87	92	92	87	85	82	82	89	90	92	94	94	86	92	95	88	88	92	95	96	88	98	93	93	94	97	97	94	92	92	90.5
	Minimum	58	61	62	62	68	63	62	60	58	59	62	68	69	65	60	72	68	66	65	68	72	66	67	72	72	68	70	72	72	69	69	66.0
Louisiana §§	Maximum	76	85	92	92	90	87	83	85	88	90	91	94	94	83	90	93	83	84	90	97	95	85	88	86	94	95	95	98	93	89	85	89.4
	Minimum	55	60	63	62	69	62	63	57	56	58	59	63	66	70	56	57	70	60	62	65	65	70	59	60	67	70	68	69	70	69	68	63.5
Macon §§	Maximum	72	84	91	91	89	86	83	88	89	92	93	94	94	89	94	90	86	84	93	95	94	89	94	84	95	95	93	94	92	88	90	89.8
	Minimum	49	56	59	68	69	66	65	60	63	62	63	70	73	71	63	63	69	65	66	65	66	64	61	63	68	70	70	71	73	70	70	65.5
Maryville	Maximum	74	80	85	91	87	83	83	86	88	89	94	93	87	89	89	87	86	88	95	90	86	96	94	93	96	93	96	94	93	90	93	89.0
	Minimum	57	59	63	68	66	61	61	63	64	65	65	68	68	62	61	71	68	65	63	65	70	63	67	74	73	70	71	70	73	69	68	66.2
Mexico §§	Maximum	80	88	95	95	92	89	82	87	90	92	95	98	97	89	96	97	87	86	94	97	97	90	97	87	96	97	100	102	97	91	94	92.7
	Minimum	58	63	65	74	70	67	65	60	60	62	65	69	70	72	62	72	69	64	69	65	70	68	62	65	69	71	69	72	75	69	70	67.1
Moberly §§	Maximum	81	84	90	91	89	86	82	87	89	92	93	94	94	88	93	92	86	84	91	94	92	88	92	84	93	93	93	94	90	88	90	89.6
	Minimum	55	58	66	73	71	66	65	61	60	66	67	71	73	73	63	71	68	63	69	64	72	67	65	72	69	71	71	72	73	71	70	67.6
Oregon	Maximum	78	88	89	95	90	85	85	91	90	92	95	96	96	90	95	96	91	90	89	100	95	90	102	100	97	100	96	99	97	92	94	93.0
	Minimum	58	59	67	69	65	63	62	64	64	64	68	70	72	60	61	72	68	65	63	70	65	69	76	73	70	72	71	70	69	70	69	67.1
St. Charles §§	Maximum	78	88	91	93	92	86	81	87	89	91	94	94	96	88	93	97	89	89	94	94	100	90	90	85	95	97	97	100	98	90	86	91.4
	Minimum	58	62	67	74	72	71	67	61	65	65	67	69	71	73	68	68	73	70	73	73	72	72	67	72	73	75	71	74	74	71	71	69.6
St. Joseph	Maximum	73	87	89	92	87	85	84	87	88	90	92	93	94	87	93	95	84	86	92	96	94	88	97	97	95	95	94	95	94	88	91	90.4
	Minimum	61	63	70	72	66	67	66	65	66	65	66	74	70	66	62	75	71	70	67	71	74	68	71	79	75	71	74	73	75	71	70	69.5
Trenton	Maximum	77	84	92	91	87	83	82	86	89	91	92	93	94	90	92	93	88	86	92	96	93	88	93	91	93	97	96	98	96	88	94	90.5
	Minimum	59	57	60	70	67	66	65	63	64	63	65	68	70	67	58	77	70	62	61	64	71	63	65	72	73	71	70	70	79	70	71	66.8
Unionville §§	Maximum	84	85	95	90	90	88	93	94	98	96	92	95	95	89	89	90	87	94	93	94	94	96	95	90	95	97	97	95	97	90	78	92.1
	Minimum	46	55	55	64	65	64	63	61	60	62	62	66	66	66	60	60	68	60	65	63	63	58	58	61	69	70	69	69	68	67	67	62.9
Warrenton	Maximum	76	86	89	90	90	87	80	85	..	90	91	93	93	88	93	96	94	87	96	98	100	91	93	86	99	97	100	100	95	91	84	[a]91.3
	Minimum	60	62	66	69	69	68	64	60	..	61	65	69	69	70	67	73	72	67	70	67	69	70	62	68	76	69	71	74	72	69	66	[a]67.6
Keokuk, Iowa	Maximum	78	86	91	91	86	81	83	85	88	90	92	94	94	85	91	89	84	84	88	92	90	85	88	85	92	95	94	98	92	90	77	88.3
	Minimum	61	60	73	67	67	68	66	65	67	68	73	76	78	69	64	74	72	68	71	68	70	66	64	70	74	77	75	74	73	70	69	69.6
Southwestern Division																																	
Clinton	Maximum	76	88	90	88	90	89	81	87	89	93	95	96	95	89	90	96	85	88	93	100	99	92	103	92	96	95	99	100	97	82	91	91.8
	Minimum	59	63	64	75	68	63	63	65	57	61	66	68	70	72	68	75	68	70	72	68	69	73	69	76	72	74	70	69	76	71	70	68.5
Eldon §§	Maximum	76	85	90	88	92	90	81	..	..	91	92	93	92	87	93	96	85	87	93	94	98	91	96	87	94	93	95	96	94	81	93	[b]90.4
	Minimum	50	57	60	67	71	66	65	60	59	..	..	66	66	68	67	67	69	68	68	68	67	71	66	66	69	74	69	69	70	73	70	[b]66.4
Harrisonville §§	Maximum	73	86	89	89	90	91	83	87	86	90	93	94	93	87	92	96	88	86	93	95	96	88	100	93	95	94	96	98	95	96	92	91.1
	Minimum	56	59	64	69	66	62	65	62	62	66	68	69	69	70	67	68	68	69	71	69	71	71	69	73	74	71	71	71	70	72	71	67.8
Jefferson City §§	Maximum	76	85	90	89	91	88	82	85	89	91	93	94	94	91	94	95	87	88	92	94	98	92	92	85	95	96	98	98	94	85	93	90.8
	Minimum	56	58	64	71	70	67	65	61	61	63	67	68	72	73	67	71	69	69	69	69	71	72	65	65	70	74	69	71	75	70	69	67.8
Joplin	Maximum	80	86	87	86	93	88	85	85	87	90	92	93	91	93	95	96	87	96	99	98	101	101	102	100	97	96	97	97	95	89	94	92.8
	Minimum	59	64	71	78	77	73	70	68	65	71	72	72	74	78	76	79	77	75	80	78	76	80	79	77	77	78	77	75	77	79	74	74.4
Lamar §§	Maximum	75	83	85	85	89	88	83	83	84	86	89	91	90	90	91	95	84	85	93	94	95	94	98	97	95	95	95	95	93	87	94	89.7
	Minimum	52	58	60	68	71	65	65	63	57	57	62	66	66	68	70	70	71	69	69	72	68	68	73	72	70	70	71	69	69	72	72	67.0
Lebanon §§	Maximum	78	88	85	89	90	87	81	82	87	89	91	92	92	89	89	94	89	90	95	96	100	94	100	95	100	96	98	98	97	86	94	91.4
	Minimum	50	53	56	69	69	62	59	56	52	55	60	65	66	67	66	67	71	68	66	64	66	69	66	67	70	70	65	66	70	72	69	64.3
Lexington §§	Maximum	71	88	91	91	90	88	85	90	92	92	93	95	95	92	95	96	88	84	91	96	98	91	99	90	98	98	99	99	97	87	92	91.7
	Minimum	54	60	65	71	70	67	67	64	63	65	66	70	72	71	66	68	68	69	69	69	71	70	69	70	75	73	73	74	75	70	72	68.6
Marshall	Maximum	72	84	91	91	88	86	83	86	88	89	92	94	93	92	91	92	92	84	90	92	96	93	92	94	94	91	94	96	94	94	92	90.3
	Minimum	60	64	68	66	69	68	66	64	62	66	67	69	73	72	61	75	68	68	69	68	74	69	66	74	72	72	72	75	73	73	73	69.0
Mountain Grove	Maximum	75	84	87	89	89	89	88	83	87	88	89	89	88	92	87	93	94	88	97	94	99	98	97	94	102	95	94	96	95	89	91	91.0
	Minimum	52	55	69	71	72	65	63	60	55	62	65	69	66	70	72	70	73	71	73	68	68	72	69	69	72	69	69	68	70	71	73	67.5
Neosho	Maximum	80	86	86	86	93	93	88	85	88	91	93	93	92	95	95	97	95	97	97	98	99	100	103	102	102	96	97	97	97	94	97	93.9
	Minimum	55	57	63	74	73	64	61	59	53	53	63	65	68	72	71	73	74	75	71	70	65	73	72	70	68	71	70	65	73	74	72	67.3
Nevada	Maximum	80	89	88	87	93	90	87	88	89	91	94	95	93	91	95	96	94	92	97	99	99	98	104	102	97	98	97	99	96	91	91	93.5
	Minimum	58	61	62	75	67	62	62	62	56	61	64	66	69	72	69	73	69	70	71	72	69	75	71	72	69	74	69	68	73	75	72	68.0
Sedalia	Maximum	76	86	91	90	90	92	87	87	88	93	93	95	95	94	94	96	95	85	91	96	98	96	96	94	95	94	97	98	96	93	90	92.3
	Minimum	59	64	68	76	73	65	65	60	58	62	68	70	72	72	68	75	67	71	69	69	71	72	69	75	75	72	69	71	72	68	72	68.9
Springfield	Maximum	77	85	86	87	88	87	81	83	85	87	88	91	89	90	92	94	91	92	94	95	96	96	97	94	96	95	95	95	94	89	95	90.5
	Minimum	53	57	69	70	71	66	64	58	56	64	67	69	67	70	69	71	72	68	73	70	67	93	72	74	71	73	68	69	69	74	69	67.8
Warrensburg	Maximum	74	87	90	90	90	88	85	88	89	91	93	95	95	95	94	96	94	95	93	98	99	97	102	98	95	95	97	100	97	95	91	93.1
	Minimum	58	63	68	72	68	66	66	65	62	64	69	71	73	72	66	74	68	71	73	71	73	72	70	78	75	74	72	73	75	68	74	69.8
Southeastern Division																																	
Arcadia §§	Maximum	81	89	90	93	92	91	86	86	89	90	94	95	93	95	95	97	98	90	95	95	99	96	95	93	101	98	99	99	97	97	91	93.5
	Minimum	50	52	53	65	70	66	66	58	59	60	60	62	65	67	67	67	74	68	69	68	63	64	59	60	61	66	65	65	68	72	68	63.8
Birch Tree	Maximum	80	90	90	93	93	92	88	85	90	92	93	95	93	94	91	97	99	90	98	94	98	98	94	95	100	97	95	95	94	90	91	93.0
	Minimum	53	60	71	80	79	65	78	..	..	..	..	..	..	..	..	65	68	72	70	70	66	61	68	64	62	65	70	66	66	68	70	68	[c]67.7
Caruthersville §§	Maximum	81	91	91	95	96	93	88	85	89	90	91	91	90	93	94	97	98	93	98	95	95	98	90	92	97	89	92	93	94	88	90	92.2
	Minimum	57	60	70	76	74	73	69	67	68	71	69	68	70	72	73	74	75	76	76	75	70	70	70	71	72	74	73	74	73	74	74	71.2
Crystal City	Maximum	78	86	92	92	92	89	82	85	89	90	93	94	92	92	92	96	90	89	96	94	99	91	90	90	97	96	96	99	95	89	89	91.4
	Minimum	56	68	65	73	70	67	65	56	60	60	61	62	63	65	65	69	64	66	69	66	63	70	59	61	67	66	65	68	65	69	68	64.9
Doniphan	Maximum	80	92	95	95	96	95	89	83	90	94	95	96	95	95	97	100	101	93	101	97	101	100	95	97	103	99	100	101	99	94	100	95.8
	Minimum	49	55	68	70	70	67	62	63	61	62	60	64	65	68	69	70	71	72	74	68	63	68	65	69	71	72	70	71	65	69	71	66.0
Farmington	Maximum	76	88	89	92	93	89	81	83	87	88	91	94	93	92	92	96	95	90	93	90	99	90	89	90	98	95	98	99	96	85	88	90.9
	Minimum	51	58	67	73	69	70	66	60	64	61	60	64	66	67	67	72	74	67	68	70	63	70	59	61	61	71	64	68	71	68	67	65.7
Jackson	Maximum	80	90	93	97	95	93	93	85	89	91	92	94	94	94	96	99	100	100	100	95	98	97	93	93	98	97	97	98	97	93	91	94.4
	Minimum	53	57	74	75	73	72	67	60	67	66	62	64	70	70	69	73	76	74	73	72	66	74	64	63	70	74	65	69	75	73	69	68.7
Poplar Bluff	Maximum	81	92	93	98	98	96	92	88	88	94	97	96	99	97	99	101	102	96	91	95	88	90	93	99	103	99	98	99	101	91	98	95.2
	Minimum	53	56	72	68	70	72	65	62	65	65	66	65	71	68	68	72	74	72	72	70	67	66	71	64	66	72	65	66	66	74	70	67.5
Rolla	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
St. Louis	Maximum	78	87	90	92	90	86	80	84	90	89	91	93	94	90	92	96	85	89	92	94	99	88	90	87	95	97	95	99	96	88	86	90.4
	Minimum	61	66	74	76	74	74	68	66	69	72	75	76	77	77	72	77	78	72	74	75	78	75	69	74	76	77	76	77	75	72	69	73.3
Salem §§	Maximum	80	90	92	93	94	89	83	86	89	90	92	94	94	92	92	96	93	92	94	93	98	92	98	94	99	96	98	99	95	81	92	92.3
	Minimum	50	52	55	68	73	66	62	58	57	59	60	61	65	67	67	70	73	70	68	66	65	67	59	60	67	70	68	68	70	74	71	63.7
Sikeston §§	Maximum	82	94	94	97	97	95	89	87	89	91	95	95	95	96	100	100	101	92	93	95	99	97	92	94	101	96	96	97	96	87	92	94.3
	Minimum	54	57	65	66	73	69	64	59	60	67	64	65	72	72	69	74	75	74	72	72	65	72	64	66	73	71	66	72	74	76	72	68.2
Union	Maximum	77	88	94	94	94	91	83	87	90	91	96	96	96	91	95	98	90	91	98	97	103	94	96	89	101	99	101	102	99	91	94	93.8
	Minimum	53	61	64	74	68	68	64	58	58	59	60	63	64	66	66	71	74	67	72	69	64	73	56	58	65	70	64	67	74	69	70	65.5
West Plains	Maximum	78	90	91	94	94	90	85	85	88	91	92	93	91	93	87	95	99	91	98	93	99	98	94	93	101	96	97	98	94	92	97	92.8
	Minimum	48	52	66	73	70	66	62	62	59	61	60	62	62	68	69	68	72	72	72	68	62	73	67	65	65	69	67	66	71	75	70	65.9
Cairo, Ill.	Maximum	81	90	89	96	96	92	86	86	89	91	92	93	93	94	96	96	98	92	95	93	98	94	89	93	96	92	95	96	94	85	91	92.3
	Minimum	57	64	76	77	74	76	71	65	71	71	70	71	73	75	75	78	78	77	76	75	72	74	68	70	76	73	70	75	77	74	70	72.5

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 8-25-43—1000.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII AUGUST 1943 No. 8

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GENERAL SUMMARY

August was hot and dry over much of Missouri, with severe drought prevailing quite generally the latter half of the month in the southern and southwestern sections. In the affected areas, it was the worst drought since 1936, but was not as widespread nor as disastrous as that one. Some local areas in the dry sections, and much of the northeastern fourth of the State, received enough rain to escape the full effects of the drought, but suffered somewhat from lack of rain, and attendant high temperatures. In the northwest quarter adequate rainfall was received and all crops in that section made very good progress and development throughout the month.

It was the warmest August since 1938 and the eighth warmest since State-wide records began in 1888. The excess in temperature was general over the whole State, but the Southwestern Division had a higher monthly average and greater plus departure than either of the other two divisions. Some stations in the Southwestern Division averaged as much as 6° and 7° warmer than their normal average.

Maximum temperatures ranged from the high 90's to well over 100° at all stations, with an extreme of 110° at one station, which is the highest recorded in August since 1936; a higher temperature has occurred only five times in the past 56 Augusts. The only extended cool period of the month occurred from the 16th to the 20th, the 18th being the coolest day, generally, minimum reading ranging from the middle 40's to the low 50's on the latter date, which is rather cool, but not unusual for August.

The distribution of the month's rainfall was very irregular, ranging from 0.11 inch at one station in the extreme southern portion to 6.94 inches at another station, in the northeastern portion. All three divisions of the State had rainfall averages less than their respective normals, with the Southwestern Division having the greatest deficiency. Showers were rather frequent, but the amounts were mostly too light to be of material benefit to growing crops and vegetation, except in the northwestern quarter and scattered localities elsewhere. Water supplies, both domestic and stock, became low in the drier areas during the latter part of the month. The month's average precipitation of 2.46 inches for the State, was the least for August since 1937, but several Augusts in the past 56 years have been drier.

No destructive storms were reported anywhere in the State, although a few severe thunderstorms, mostly without damage, occurred.

Crops and gardens generally deteriorated during the month, except in areas where rainfall was adequate. In some southwestern and southern sections, late corn was damaged beyond redemption and could only make fodder. In the northern section, particularly the northwest quarter, corn made excellent growth and a good crop was indicated, provided the late planted matured before the occurrence of damaging frost. Indications were that three to four weeks of frost-free weather, after the close of August, would be needed to mature late corn. Hay harvest continued during the month under very favorable weather conditions. Plowing for fall seeding was seriously delayed by dry, hard ground, over much of the State. Cotton in the southeastern counties made satisfactory progress with bolls opening during the latter half of the month, and picking was begun in the last week. A light, but profitable, peach crop was harvested and picking of early apples began the latter part of the month. A general soaking rain was urgently needed in all sections of the State, except the northwest quarter, at the close of August.—M. R. W.

(Continued on page 45)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.17*	18	29.65*	3	6.2	19	nw.	9	81*	57*	60*	59	1
Kan. City Airp't.	30.18	18	29.59	3	9.9	28	s.	31	70	75	52	68	1
St. Joseph	30.17*	18	29.58*	2	7.8	19	s.	12	81*	54*	55*	59	0
St. Louis	30.18*	18	29.68*	3	10.2	30	sw.	15	73	50	55*	69	0
Springfield	30.16	18	29.69	3	8.8	39	w.	4	83	54	56	81	0
Cairo, Ill.	30.13	18	29.73	16	6.6	25	w.	16	83	57	..	84	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation						Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	74.0	110	45	7.03	5.95	7.84	7.30	0	11	..	..	..
1889	73.5	101	52	1.69	1.65	2.11	1.31	0	14	..	..	..
1890	73.3	106	47	5.13	4.25	7.21	3.93	0	9	..	..	..
1891	73.2	102	38	5.29	5.96	5.14	4.78	0	8	..	..	..
1892	74.3	102	44	2.65	2.24	2.63	3.08	0	6	17	8	6
1893	72.8	100	40	1.99	2.55	1.89	1.53	0	4	18	10	3
1894	77.0	111	39	1.64	1.00	1.59	2.33	0	5	14	16	1
1895	75.3	104	46	4.02	5.45	3.51	3.09	0	8	15	11	5
1896	76.6	108	41	3.13	3.32	3.25	2.82	0	6	17	10	4
1897	74.1	108	41	2.37	2.48	2.23	2.39	0	6	19	9	3
1898	75.8	103	44	3.13	2.93	2.88	3.57	0	5	17	10	4
1899	78.8	107	49	3.13	4.19	2.76	2.45	0	7	18	10	3
1900	80.3	105	52	3.55	2.99	4.79	2.87	0	6	19	9	3
1901	78.4	109	47	2.05	1.12	2.74	2.29	0	5	19	9	3
1902	75.0	103	47	6.06	5.66	6.79	5.74	0	10	14	11	6
1903	74.5	102	43	5.00	6.54	5.01	3.44	0	10	16	11	4
1904	73.7	100	43	5.40	5.61	5.84	4.76	0	8	16	10	5
1905	76.4	99	48	4.68	4.19	5.90	3.94	0	8	19	7	5
1906	76.6	101	40	4.70	3.99	5.10	5.01	0	11	14	10	7
1907	77.3	109	47	3.89	3.92	3.90	3.85	0	9	17	8	6
1908	76.4	102	46	3.46	3.63	3.61	3.14	0	8	17	9	5
1909	79.5	110	46	0.60	0.31	0.67	0.81	0	2	24	6	1
1910	74.7	103	40	2.92	2.63	3.56	2.57	0	6	15	9	7
1911	75.4	109	41	4.33	2.81	4.97	5.21	0	7	15	8	8
1912	76.2	104	41	4.04	4.77	3.42	3.93	0	9	17	8	6
1913	82.8	110	41	1.09	1.24	0.67	1.37	0	3	22	7	2
1914	78.0	106	49	4.25	3.73	4.53	4.48	0	9	15	9	7
1915	69.8	98	37	8.19	4.99	7.57	12.02	0	12	12	9	10
1916	79.2	107	41	4.09	5.39	2.55	4.33	0	7	19	7	5
1917	73.3	104	38	4.69	3.13	5.04	5.89	0	9	16	8	7
1918	81.8	111	45	3.57	3.22	2.91	4.59	0	8	17	9	5
1919	75.7	106	44	4.33	4.41	4.47	4.12	0	8	17	9	5
1920	73.1	102	43	4.69	3.56	5.94	4.56	0	9	15	8	8
1921	76.8	109	48	5.39	5.16	6.42	4.60	0	9	14	10	7
1922	77.5	107	46	2.44	2.68	1.67	2.97	0	6	18	8	5
1923	77.3	108	42	3.81	5.47	1.87	4.08	0	8	16	9	6
1924	77.2	106	48	4.11	3.66	4.50	4.18	0	7	19	8	4
1925	76.5	107	45	3.34	5.31	2.60	2.10	0	6	19	8	4
1926	77.5	106	50	5.65	4.03	6.39	6.53	0	10	15	9	7
1927	71.1	97	39	5.09	4.19	7.04	4.04	0	9	14	10	7
1928	76.4	99	45	5.48	4.37	6.75	5.33	0	9	15	10	6
1929	76.0	105	43	2.58	1.84	2.21	3.69	0	6	18	9	4
1930	78.5	114	47	1.99	2.39	1.87	1.70	0	6	16	10	5
1931	74.9	106	44	4.97	4.03	5.66	5.21	0	9	15	9	7
1932	77.2	106	46	5.70	7.82	3.86	5.42	0	9	18	9	4
1933	75.4	103	48	3.82	4.32	3.80	3.33	0	9	13	10	8
1934	80.6	115	41	4.01	3.36	2.83	5.83	0	9	14	11	6
1935	77.7	110	45	2.20	1.60	2.73	2.26	0	6	17	9	5
1936	84.6	116	43	0.84	0.90	0.91	0.72	0	4	20	8	3
1937	80.5	105	51	2.05	2.50	2.00	1.64	0	5	17	11	3
1938	81.1	108	53	2.62	4.62	1.78	1.47	0	6	20	8	3
1939	75.4	106	45	4.80	6.30	3.76	4.34	0	9	15	11	5
1940	75.6	107	45	5.78	5.47	7.21	4.67	0	12	10	12	9
1941	79.2	106	49	3.15	2.37	3.53	3.56	0	8	15	11	5
1942	75.1	106	41	4.24	3.98	3.68	5.05	0	9	14	10	7
1943	79.8	110	44	2.46	3.00	1.92	2.47	0	6	16	11	4
Period	76.6	116	37	3.81	3.74	3.89	3.80	0	8	17	9	5

Climatological Data for August 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	76.4	.....	97	13†	45	18	14	3.40	−0.20	1.56	3	0	13	9	22	0	s.	Curtis E. Grace
Bethany	Harrison	916	48	76.3	+ 1.3	98	24	48	18	50	3.62	−0.20	1.43	2	0	8	15	12	4	se.	A. S. Cumming
Brookfield	Linn	767	2	78.9	.....	98	24	49	18	2	2.50	.....	1.42	7	0	8	20	11	0	sw.	E. W. Patrick
Brunswick	Chariton	652	62	79.0	+ 4.8	99	15†	53	18†	64	1.81	−2.13	0.46	8	0	7	15	5	11	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	77.5	.....	100	24	52	18	13	6.94	+3.78	4.98	8	0	10	14	12	5	se.	Lockmaster
Chillicothe	Livingston	779	34	76.7	+ 1.2	98	24	50	29	37	4.22	+0.26	1.41	1	0	11	23	4	4	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	79.0	+ 3.0	98	24†	49	17†	34	1.51	−2.29	0.67	7	0	8	15	12	4	sw.	Dr. A. J. Bradsher
Columbia	Boone	740	53	79.9	+ 3.7	102	24	51	18	53	1.36	−2.24	0.80	7-8	0	7	11	16	4	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	78.4	+ 3.7	97	13	51	18	59	2.83	−0.81	1.16	3	0	10	3	26	2	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	80.0	+ 4.9	98	25	44	18	40	2.34	−1.70	0.58	3	0	6	5	24	2	s.	LeRoy Mindrup
Elsberry	Lincoln	449	12	78.8	+ 2.3	102	24	48	19	12	1.98	−1.28	1.76	8	0	5	10	20	1	s.	John Dowell
Fayette	Howard	760	63	78.4	+ 2.5	99	15†	50	18†	60	1.65	−1.91	0.57	9	0	9	19	9	3	sw.	Irvin E. Schnell
Fulton	Callaway	818	55	79.0	+ 2.6	102	26	51	19	51	1.62	−2.03	0.98	1	0	7	20	8	3	sw.	Frank E. Hillgartner
Grant City	Worth	1,134	39	75.7	+ 0.8	95	13†	46	18	51	4.99	+1.05	3.28	3	0	10	9	19	3	se.	Howard Rybolt
Hannibal	Marion	759	51	77.2	+ 2.2	100	24	52	17†	59	3.83	+0.49	3.57	8	0	4	11	19	1	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	81.0	+ 4.4	100	8	53	18	54	1.90	−1.64	0.72	19-20	0	11	10	18	3	s.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	79.8	.....	99	25	50	18	5	3.15	.....	1.24	1	0	10	18	7	6	sw.	University of Kansas City
Kidder	Caldwell	1,020	51	77.4	+ 2.0	96	13	51	17†	55	3.38	−0.58	0.86	3	0	13	10	18	3	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	77.6	+ 3.6	100	24	51	18	61	1.68	−2.44	0.62	12	0	10	13	17	1	sw.	P. O. Selby
Lawson	Ray	1,070	5	78.8	.....	97	2†	48	17†	5	2.75	.....	0.92	23	0	5	19	10	2	sw.	Frank G. Gstrein
Louisiana	Pike	469	49	77.1	+ 2.2	101	24	48	18†	62	2.93	−1.61	1.10	8	0	4	27	4	0	s.	Stark Bro's Nurseries
Macon	Macon	875	44	77.6	+ 1.5	98	24	51	17†	50	2.15	−1.66	1.13	1	0	11	12	4	15	se.	John W. Atwell
Maryville	Nodaway	1,169	53	76.1	+ 2.3	96	13	50	17	49	3.35	−0.63	0.96	22	0	12	18	9	4	se.	R. B. Montgomery
Memphis	Scotland	787	4	77.0	.....	100	24†	51	19	13	4.91	+0.94	2.20	8	0	9	14	11	6	sw.	John W. Alexander
Mexico	Audrain	800	54	79.8	+ 3.8	106	24	50	18	65	3.18	−0.67	1.44	1	0	8	17	6	8	sw.	Henry D. Llewellyn
Moberly	Randolph	875	6	77.8	.....	98	25	51	17†	6	2.27	.....	0.45	7	0	12	15	7	9	sw.	Moberly Water Dept.
New Florence, 1 mi SE	Montgomery	885	0	77.9	.....	101	24†	52	17†	1	1.12	.....	0.93	8	0	5	7	20	4	s.	U. S. Weather Bureau
Oregon	Holt	1,048	87	80.2	+ 5.0	103	13	50	18	87	1.39	−2.41	0.57	20	0	9	16	15	0	se.	Miss Mina Wright
St. Charles	St. Charles	520	55	79.9	+ 3.1	105	24	50	18	65	3.44	−0.80	2.07	1	0	5	21	10	0	s.	Martin L. Comann
St. Joseph	Buchanan	957	33	79.5	+ 3.0	98	18	51	18	71	1.52	−2.31	1.10	19-20	0	8	14	16	1	se.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	78.6	.....	101	24	55	18	5	3.94	.....	2.41	8	0	6	22	7	2	s.	Lockmaster
Shelbina	Shelby	779	2	78.0	.....	101	24	46	17	50	0.76	−2.96	0.56	8	0	5	17	11	3	se.	Guyman Hatcher
Steffenville	Lewis	650	45	78.4	+ 1.9	103	24	47	18	50	1.08	−2.96	0.50	8	0	9	11	15	5	s.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	40	78.6	+ 3.4	100	24†	47	18	49	4.17	+0.27	1.21	3	0	9	10	12	8	se.	Albert Volker
Trenton	Grundy	822	47	77.6	+ 2.4	97	2	51	18†	48	2.53	−1.35	0.63	7	0	10	13	17	1	s.	W. H. Estes
Unionville	Putnam	1,062	50	76.2	+ 1.4	99	24†	50	18†	50	3.86	−0.42	0.97	4	0	11	12	17	2	s.	C. D. Wilson
Warrenton	Warren	816	61	78.8	+ 2.3	102	24	52	17	53	1.65	−2.02	1.62	8	0	2	15	15	1	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	77.6	+ 2.6	99	24	55	17	71	2.24	−0.96	0.88	8	0	10	8	19	4	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**78.2**	**+ 2.8**	**106**	**24**	**44**	**18**	..	**3.00**	**−0.74**	**4.98**	**8**	**0**	**8**	**14**	**13**	**4**	**s.**	
Southwestern Division																					
Anderson††† 1½ mi SW	McDonald	1,000	39	80.8	+ 3.1	104	15	48	18	44	2.10	−2.02	1.00	5	0	3	28	3	0	sw.	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	81.4	+ 3.6	102	26	50	18	51	1.31	−2.65	0.76	1	0	4	15	12	4	sw.	Rolla Brown
Bolivar	Polk	1,071	40	81.4	+ 4.5	101	15†	51	18	48	2.12	−1.74	1.09	1	0	4	21	7	3	w.	Southwest Baptist College
Boonville	Cooper	650	5	77.0	.....	98	25	53	17†	66	1.35	−3.20	0.68	1	0	6	14	10	7	se.	Boonville Water Dept.
Carthage	Jasper	962	9	84.0	.....	104	9	48	18†	19	0.69	.....	0.39	1	0	4	14	17	0	s.	Carthage W. and E. Plant
Clinton	Henry	786	50	80.8	+ 3.2	102	26	49	18	56	0.75	−2.90	0.23	20	0	9	16	10	5	e.	U. S. Weather Bureau
Eldon	Miller	934	48	79.8	+ 3.4	104	26	50	18†	44	1.08	−2.58	0.66	1	0	2	11	12	8	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	82.0	.....	102	15†	50	18	2	2.02	.....	1.18	4	0	4	19	12	0	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	79.4	+ 3.5	101	26	51	17	68	2.79	−1.39	1.59	1	0	11	8	11	12	se.	John H. Patterson
Jefferson City	Cole	557	53	79.7	+ 3.0	101	26	53	18†	61	2.72	−1.11	1.66	1	0	6	14	7	10	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	85.1	+ 7.8	102	9	57	18	38	1.10	−2.87	0.69	1	0	5	24	2	5	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	79.4[m]	+ 0.3	104	15†	51	18	12	0.81	−2.36	0.55	1	0	6	16	10	5	sw.	W. S. Frame
Lamar	Barton	980	55	79.6	+ 1.9	100	9†	51	18	62	2.40	−1.89	1.90	1	0	4	21	10	0	sw	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	81.1	+ 5.0	104	24†	54	18†	56	1.75	−2.74	1.13	1	0	5	15	6	10	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	79.7	+ 3.5	99	24†	53	17	59	4.08	+0.56	2.29	1	0	14	17	13	1	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	37	83.8	+ 6.6	105	15†	51	18	47	3.38	−1.32	2.10	1	0	3	24	6	1	sw	Hubert A. Nieman
Marshall	Saline	779	56	80.3	+ 4.3	99	25	52	18	53	1.41	−2.49	0.48	1	0	8	11	19	1	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	80.8	+ 5.3	102	15	48	18	46	0.83	−3.51	0.75	1	0	2	14	17	0	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	79.6[g]	+ 2.9	103	15†	46	18	43	....	.....	....	..	0	..	15[f]	10[f]	0[f]	sw.	James C. Williamson
Neosho	Newton	1,011	56	82.6	+ 5.5	100	2†	47	18	60	1.68	−2.69	0.93	1	0	4	8	23	0	sw.	U. S. Fisheries Station
Nevada	Vernon	862	50	82.2	+ 5.1	104	26	48	18	51	3.23	−0.54	1.94	1	0	5	21	5	5	sw.	Henry Kraft
Ozark Beach	Taney	700	3	81.8	.....	103	23†	53	18	18	2.78	−1.55	1.80	1	0	3	5	21	5	se.	A. J. Sharp
Sedalia	Pettis	910	30	81.4	+ 4.9	103	15	49	18	32	1.12	−4.06	0.60	1	0	5	19	9	3	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	81.2[n]	+ 5.0	98	15†	51	18	40	1.67	−2.33	0.98	5	0	3	21[b]	8[b]	0[b]	se.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	37	79.8	+ 4.8	99	15†	45	18	37	1.55	−2.69	0.76	1	0	3	23	6	2	s.	A. L. Hailey
Springfield ½ mile E	Greene	1,301	55	79.4	+ 4.4	98	15	50	18	55	2.09	−2.00	1.00	4	0	4	14	10	7	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	79.8[c]	.....	104	15	46	18	2	1.77	.....	0.56	20	0	8	12[a]	17[a]	1[a]	s.	H. F. Nelson
Warrensburg	Johnson	878	56	81.5	+ 4.4	101	26	54	17†	63	0.91	−3.06	0.38	20	0	5	20	9	2	sw.	Central Teachers College
Warsaw	Benton	687	42	82.9	+ 5.3	104	26	52	18	48	1.54	−3.08	1.30	1	0	5	15	13	3	s.	Dora B. Johnson
Wasola	Ozark	1,294	2	81.2	.....	110	26	52	18	3	1.41	.....	0.78	1	0	3	26	5	0	sw.	A. W. Pinckney
Division means	**and extremes**	.....	..	**81.0**	**+ 4.2**	**110**	**26**	**45**	**18**	..	**1.92**	**−1.97**	**2.83**	**1**	**0**	**5**	**17**	**11**	**3**	**sw.**	
Southeastern Division																					
Advance ¼ mile W	Stoddard	354	6	78.8	.....	104	24†	45	19	6	1.43	.....	1.08	9	0	5	10	13	8	s.	U. S. Weather Bureau
Arcadia	Iron	926	62	77.8	+ 3.5	108	25	45	19	65	2.26	−2.11	0.90	9	0	6	18	3	10	s.	Arcadia College
Birch Tree ½ mile E	Shannon	1,000	48	78.5	+ 2.4	104	25	49	20	49	0.25	−4.51	0.18	4	0	4	22	9	0	se.	R. C. Moger
Bragg City	Pemiscot	261	1	81.0	.....	103	25†	51	19	12	1.29	−2.20	0.79	1	0	7	25	6	0	s.	Paul B. Hutchens
Campbell	Dunklin	314	17	82.4	+ 5.2	104	25†	56	18†	17	2.23	−3.75	1.93	1	0	4	21	10	0	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	81.4	+ 1.1	102	26	58	19	51	2.04	−1.65	1.55	1	0	4	23	5	3	s.	Victor T. Malloure
Crystal City	Jefferson	420	9	77.5	− 0.7	102	24	47	19	9	1.35	−1.08	0.72	8	0	2	13	12	6	s.	Frank Magre
Doniphan	Ripley	344	39	81.6	+ 4.0	106	24†	49	19	39	2.30	−1.94	1.92	1	0	5	27	2	2	sw.	Boyce Lackey
Farmington	St. Francois	896	32	77.2	+ 1.8	100	24†	48	19	46	5.19	+0.89	1.99	4	0	5	8	17	6	s.	F. M. Karsch
Goodland	Iron	1,000	50	77.2	+ 2.7	104	24	45	19	50	2.27	−1.97	0.70	1	0	5	18	11	2	s.	F. M. Adams
Greenville	Wayne	381	34	79.7	+ 3.0	105	24†	48	19	36	1.36	−2.92	1.07	8	0	4	18	9	4	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	79.9	+ 3.8	99	25†	53	19	58	6.83	+2.75	3.57	16	0	5	18	4	9	s	John G. Putz
Koshkonong	Oregon	958	42	82.0[a]	+ 4.1	107	15	48	18	43	0.11	−4.05	0.11	5	0	1	21[a]	9[a]	0[a]	se.	R. E. Bratcher
Licking 4 miles N	Texas	1,170	6	79.4	.....	103	24	44	18	6	0.20	.....	0.20	4	0	1	19	9	3	sw.	U. S. Forestry Service

Continued on next page

Climatological Data August for 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	0	82.4	.....	101	25†	55	19	0	0.39	.....	0.17	1	0	3	9	13	9	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	79.1	+ 2.1	102	25†	49	19	50	5.27	+1.15	2.20	16	0	6	18	12	1	s.	R. A. DeWitt
Poplar Bluff	Butler	339	38	81.8	+ 3.8	108	25	53	19	39	....	.....	....	..	0	..	24	7	0	sw.	B. R. Wheetley
Rolla	Phelps	1,202	43	81.1	+ 4.9	103	15†	54	18†	59	1.72	−2.72	0.80	5	0	4	9	21	1	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	106	80.9	+ 3.4	101	24	60	17	106	1.85	−1.14	1.26	8-9	0	4	12	16	3	s.	**Section Center**
St. Louis Airport	St. Louis	556	6	79.8	+ 3.4	102	24	56	18	12	1.35	−1.67	1.13	8	0	5	8	17	6	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	80.8	+ 3.0	102	24	58	17	31	1.61	−2.33	0.75	8	0	5	21	7	3	se.	St. Louis University
Salem	Dent	1,173	39	79.0	+ 3.1	104	24	48	18†	42	2.78	−1.79	1.57	5	0	4	22	8	1	s.	E. E. Martin
Sikeston	Scott	318	36	81.0	+ 3.4	105	25†	52	19	46	2.43	−1.37	1.86	1	0	3	19	9	3	sw.	William B. Seabaugh
Union	Franklin	520	5	....	.....	104	24†	..	..	26	2.53	−2.17	1.30	8	0	3	7	22	2	w	P. J. Politte
Vichy .....2 mi. NW	Maries	1,125	7	80.1	.....	102	15	55	17	8	1.32	.....	0.83	4	0	5	8	15	8	s.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	81.4	.....	105	26	57	20	4	3.13	.....	2.54	1	0	3	20	10	1	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	79.4	.....	101	24†	53	19	3	3.57	.....	1.30	4	0	5	17	9	5	s.	William J. Miller
West Plains	Howell	1,005	6	80.0	.....	104	25	49	19	6	0.85	.....	0.66	1	0	3	18	9	4	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	79.0	.....	102	24†	49	19	36	1.33	−2.75	1.10	1	0	3	22	6	3	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	81.8	+ 4.0	101	25	58	19	72	1.48	−1.54	0.32	8-9	0	4	11	13	7	s.	U. S. Weather Bureau
Division means and extremes		.....	..	**80.1**	**+ 3.1**	**108**	**25†**	**44**	**18**	...	**2.47**	**−1.33**	**3.57**	**16**	**0**	**4**	**17**	**10**	**4**	**s.**	
State means and extremes		.....	..	**79.8**	**+ 3.2**	**110**	**26**	**44**	**18**	...	**2.46**	**−1.35**	**4.98**	**8**	**0**	**6**	**16**	**11**	**4**	**s.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

Figures and letters following station indicate distance and direction of station from the city.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for August 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	..	..	..	..	..	..	..	..	..	..	..	..	..	86	87	76	68	68	70	67	82	84	80	85	84	86	84	76	80	80	82	m79.4
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis ..... (Washington University)	Evaporation	.151	.138	.228	.197	.114	.257	.174	.160	.100	.160	.200	.182	.204	.237	.127	.194	.174	.174	.198	.191	.051	.189	.215	.203	.256	.255	.281	.232	.177	.185	.224	5.831
	Mean temperature	77	84	86	86	78	75	79	78	84	82	84	86	87	84	82	78	66	68	69	66	79	82	84	87	90	88	81	71	75	81	78	80.0
	Wind movement ..	25	17	34	28	20	39	15	15	27	26	16	19	25	26	13	24	44	31	18	16	8	19	27	21	17	19	33	46	21	17	20	729

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 43)

TEMPERATURE

The monthly mean for the State, 97 stations reporting, was 79.8°, or 3.2° warmer than the average of the past 56 Augusts. The highest monthly mean was 85.1°, at Joplin, and the lowest was 75.7° at Grant City. The highest temperature recorded was 110° at Wasola on the 26th, and the lowest was 44° at Edgerton and Licking, on the 18th.

PRECIPITATION

The average for the State, 186 stations reporting, was 2.46 inches, or 1.35 inches less than the 56-year August average. The greatest monthly amount was 6.94 inches at Canton Lock & Dam No. 20, and the least was 0.11 inch at Koshkonong. The greatest 24-hour amount, in any observational day, was 4.98 inches at Canton Lock & Dam No. 20, on the 8th. The average number of days with 0.01 inch, or more, was 6.

MISCELLANEOUS PHENOMENA

Floods.—The Grand River reached flood stage at Chillicothe on the 5th. The Mississippi River at Louisiana was slightly above flood stage on the 9th, 17th, and 18th.

Fogs.—Heavy, 1st, 2d, 4th, 10th, 11th, 15th, 18th, 19th, 27th, 28th.

Windstorms.—High winds reported locally on some days but no damaging windstorms were reported.

DEATHS FROM LIGHTNING

Two men were struck and killed by lightning near Biehle, Perry County, on August 4th.

ERRATA

July 1943, page 38: Total precipitation at Lexington should be 4.08; departure should be +0.07; days with 0.01 inch or more should be 10. Temperature departure at Crystal City should be −1.4. Total precipitation at New Florence should be 2.22; days with 0.01 inch or more should be 6. Page 40: Precipitation on 31st at Lexington should be .37; total should be 4.08. Precipitation on 4th at New Florence should be T; total should be 2.22.

Daily Precipitation for August 1943

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand	.02		1.56				.06	.12	.02		.68	.01	.13							.25		.09	.44		.01	.01						3.40
Amity[2]	do	.07		.50	.04			.35		T.	T.	T.	T.	.05	T.		1.07				.76	T.		.41		T.	T.	T.			T.	T.	3.25
Bethany	do		1.43					.43		.08		.71	.04	.18							.30		T.	.45									3.62
Bowling Green[2]	Mississippi	.66			.12				*	2.24											*	.14											3.16
Brookfield	Grand			.60				1.42	.05	.04								.12			.14		T	.10		.03							2.50
Brunswick[2]	do	.35	.02	.06					.46	.36					T.						.23			T.	.33								1.81
Canton, Lock No. 20[2]	Mississippi	1.01	T.	.43	.01			4.98	.19			.02	.07	.01		T.					.04	T.		T.							.18		6.94
Centralia[2]	do	2.70							.97	.20										.13		.02						.28					4.30
Chillicothe[2] (A)	Grand	1.41	.08	.48	.51			T.	.26	.14							.22				.31	.03		.15	.63								4.22
Chillicothe[2] (B)	do	.94	.03	.46	.65			.22	.35	.12					.02		.67	.02			.35	.07		.28	.25			T.					4.43
Clifton Hill	Chariton	.03	.12	.14				.67	.04	.15							.05							.31									1.51
Columbia [1]	Missouri							.61	.19	.29				T.			.07				.05			.07				.08					1.36
Conception	do	.03	T.	1.16				.14	T.	.04		.16	T.	.15		T.					.28		.61	.21			.05		T.	T.			2.83
Edgerton	do			.58		.10		.55		.07					T.						.55			.39		T.							2.34
Edina[2]	Mississippi	1.22		.18	.04			.02	1.05	.02			.10	.26							T.	.16											3.05
Elsberry	do				.06				1.76	.05							.06											.05					1.98
Elsberry S. C. S.[2]	do	.86			.10				1.76	.22	T.						.03	.01				T						.06					3.07
Farber[2]	do	.99				.01				.93							.10	.07				.07			.05								2.22
Fayette	Missouri			.09				.19	.12	.57				.06		T.	.09				.09			.11				.33					1.65
Fulton[2]	do	.98							.10	.40				T.				.03				.01		.01				.06					1.62
Gallatin[2]	Grand	1.49		.96	.10			.38		.13			T.	.18	.78		.32				.35			.26	.42	T.							5.37
Grant City	do			3.28				.07	.10			T.	.17	.12							.22		.65		.11	.15	.12						4.99
Hannibal[3] (A)	Mississippi			T.	T.			.02	3.57					.01							T.								.23			3.83
Hannibal[2] (B)	do	.65		T.	T.				2.25	1.63					T.						T.								.15	.07		4.75
Hermann[2]	Missouri	1.98							.03	.37																		.08					2.57
Kahoka[2]	Mississippi	1.04		.38				.03	3.65				*	.48										*	.30				.24				6.12
Kansas City Airport[1]	Missouri	.01		.47			.06	.01		T.	.07			T.		.17	.07			.01	.71		T.	T.			.02	.30					1.90
Kansas City University	do	1.24		.71			.13	.03	T.		.09			.04		.04	.09				.62			T.				.16					3.15
Kidder[2]	Grand	.31		.86	.21			.58		.06				.03	.01		.12	.33			.85	.09		.34	.09			T.					3.38
King City	Missouri	T.	T.	.58				.59	.10	T.	T.		.01	.03			T.				.59		.10	1.58	T.	.04							3.62
Kirksville	Mississippi		T.	.41	.02			.05	.14	.01			.62	.08							.08		T.	.22		T.	T.		.05	T.			1.68
LaBelle[2]	do	.75		.12	T.			.40	1.01	T.			.10	T.	T.					T.	.11		T.	T.				.12	T.			2.61
Lawson	Missouri	.15		.66						.25				T.							.77			.92					T.			2.75
Linneus[2]	Grand	.91	.13	.33	.15			.08	1.49	.06					T.		.16				.06	.11		.09	.04								3.61
Louisiana[2] (A)	Mississippi	.90			.73				1.10	.20																							2.93
Louisiana[2] (B)	do	.83			.37				1.20	.47											T.	.03									.12		3.02
Lucerne[3]	Grand	.14	.04	.43	.07			.19	.22	.08			.17								.12			.18		.05		.02					1.71
Macon[2]	Chariton	1.13	.07	.21	.03				.50	.06			.02				.05				.01	.05	T.		.02				T.				2.15
Madison[2]	Mississippi	1.60	.02					.86	.07									.04			.05			.02					T.			2.66
Maryville	Missouri			.53				.07	.02	.22		.05	.18	.08		T.					.31		.96	.54		.24	.12						3.35
Memphis[2]	Mississippi	1.37		.21	.20				2.20				.06	.43										.14	.06		T.		.24			4.91
Mexico[2]	do	1.44	.05	.04					.90	.32											.05				.08			.30				3.18
Milan[2]	Grand	.64		.60	.44					.42		.53	.59	.22							.18		T.	.06								3.68
Moberly[2]	Mississippi	.37	.15	.12				.45	.38	.44							*	.15			*	.09		*	.12								2.27
Monroe City	do	.63		.02					.84																				.02				1.51
New Florence[4]	Missouri			T.				.04	.93	.05						.04	T.				T.			T.				.06					1.12
Oregon	do			.15			T.			.10		T.		.02		.02	.05				.57			.13		.20	.15			T.			1.39
Palmyra	Mississippi			.03				T.	2.80												T.									.21			3.04
Paris[2]	do	2.34	.01		.08				.47	.91								.46			T.	.05											4.32
Perry	do	.15							2.60	.03												.05											2.23
Philadelphia[2]	do	1.01		.02				T.	2.64												T.												3.67
St. Charles[2]	Missouri	2.07							.65	.65								T				.02						.05					3.44
St. Joseph[1]	do		.02	.13			.01	.20	T.	T.				.03	.03		T.	T.		.03	1.07		T.	T.									1.52
Saverton, Lock No. 22[2]	Mississippi	.68		T.	.02	T.			2.41	.68					T.						.03	T.		T.	T.				T.	.12			3.94
Shelbina	do	.03						.11	.56				.04								.02	T.		T.									0.76
Shelbyville[2]	do	1.30							1.35					.28																			3.03
Steffenville	do	.11	T.	.20				.11	.50	T.		.02		.02							.04			.01						.07			1.08
Tarkio	Missouri			1.21								T.	.60	.10							.72		.37	.18		.13				.18		.68	4.17
Trenton	Grand		.02	.57				.63	.02	.02		.43	.02	.07							.34			.41									2.53
Troy[2]	Mississippi	2.20							.10	1.40								17				T.						12					3.99
Unionville[2]	Chariton	.91	.03	.66	.97			.10	.03	.02			.42	.30										.40		.02							3.86
Warrenton	Mississippi	.03							1.62												T.			T.				T.					1.65
Keokuk, Iowa[3]	do			.18				.07	.88	T.		.07	.40	.04		.01					T.		.12	.04	T.	T.	T.			.43	T.		2.24
Southwestern Division																																	
Altona[2]	Osage	1.53			T.		T.			T.		.10			.38	T.	T.				.32	.55		T.									2.88
Anderson[2]	Neosho	.96			.14	1.00																											2.10
Appleton City	Osage	.76										.04	.13								.38												1.31
Ava Ranger Station[2]	White	1.10				.09							.51		.10																		1.80
Bakersfield[2]	do	.60											.90			.09																	1.59
Bolivar	Osage	1.09			.54					.02	.47						T.				T.							T.					2.12
Boonville[2] (A)	Missouri	.68								.28											.08	.08		.10				.13					1.35
Boonville[2] (B)	do	.68							.49	.28											.02	.12		.05				.18					1.82
Buffalo[2]	Osage	1.47	1.15			.69						.46																					3.77
Butler[2]	do	2.83		.04							.23					.15		.02			.20	.42											3.89
Caplinger Mills[2]	do					T.				T.		.32			.42			.04				.10							.02				0.90
Carthage	Neosho	.39			.14	.12															.04												0.69
Clinton[4]	Osage	.02								.08	.06	.01		.01	.22					.01	.23			.11									0.75
Concordia	Missouri	.44		.08			T.	.17	.19	T.							.01				.51			.06				.75					2.21
Crocker	Osage	.80			T.				.92	.07						.02			T.														1.81
Eldon[3]	Missouri	.66								.42						T.																	1.08
Eldorado Springs	Osage	2.25			T.				.08	.26		T.					T.				.18							.15				.22	3.14
Elijah[2]	White	.86				.23						T.				.08						.04											1.21
Fort Leonard Wood	Gasconade	.76			1.18				.03	.05					T.						T.												2.02
Galena[2]	White	2.53				.63					T.																		T.				3.16
Hailey	do	.78			.89	.36																							T.				2.03
Harrisonville[2]	Osage	1.59		.07			.02	.03		.12		.07			.05		.01				.20	.60						.03					2.79
Jefferson City[2]	Missouri	1.66							.24	.74							.01				.05							.02					2.72
Joplin[4]	Neosho	.69			.25					T		.08			.04		.01																1.10
Lakeside[2]	Osage	.55			T.				.03	.18	T.	T				T.	.01	T.				.02		.02									0.81
Lamar[2]	Neosho	1.90				T.					T.	.10			.30							.10							T.				2.40
Lebanon[2]	Osage	1.13				.51				.06	.04	.01						T.				T.											1.75
Lexington[2]	Missouri	2.29		.06	.38		.02	.02		.20		.02					.05	.05			.22	.27		.02	.44			.04					4.08
Lockwood	Osage	2.10			1.20										T.		T.				.08												3.38
Macomb[2]	White	1.49				.11																											1.60
Marshall	Missouri	.48		.06			.01	.06	T.					.05							.20			.25				.30					1.41
Marshfield[2]	White	1.18				.44						.32									T.												1.94
Mountain Grove	do	.75			.08						T.										T.												0.83
Mount Vernon	Neosho																																...
Neosho	do	.93			.33	.26					T.	T.				.16																	1.68
Nevada	Osage	1.94		T.	T.					T.	.93						T.				.23				.10			.03					3.23
Osceola[2]	do	1.27								.01	.03			*	.08					*	.39			.07									1.95
Ozark Beach[2]	White	1.80				.62							.36																				2.78

Continued on next page

Daily Precipitation for August 1943 Continued from preceding page

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																
Pierce City[2]	Neosho	.98				.82							T.		T.			.04														1.84
Pineview Lookout[2]	White																															
Pleasant Hill[2]	Osage	1.88		.18			.02	.22	.08	.18	.11				.01		.08	.07			.18	.54			.11			.33					3.99
Roby	Gasconade	.97			.05				.02	.02					.06																		1.12
St. Thomas[2], 2¼ mi SW	Osage	.78								.16							T.					.01			.01								0.96
Sedalia	Missouri	.60		T.			.13	.08		T.				T.			T.				.24			T				.07					1.12
Seligman	Neosho	.49			.20	.98				T.																			T.				1.67
Seymour	White	.76			.08						.71	T.																					1.55
Shell Knob[2]...3 mi. SE	do																															
Siloam Sprgs Lookout[2]	do	1.00														.40																	1.40
Springfield[1‡]	do	.64			1.00					T.	.39						T.				.06												2.09
Stover[2]	Missouri	.88								.35											.12							.05					1.40
Sugar Camp Lookout[2]	White																															
Sweet Springs	Missouri	.33		.08			.26	.12		T.				T.		T.	.02				.56			.25				.15					1.77
Tecumseh[2]...¼ mi. W	White					.29					.17																						0.46
Topaz[2]	do	1.60							T.		T.					.10																	1.70
Vanzant[2]...3¾ mi. SE	do	1.62														.09						.03											1.74
Warrensburg	Missouri			T.			T.		.10	T.	.11					T.					.38			.23			.09					0.91
Warsaw[2].....(A)	Osage	1.30		T.					.02	.05							T.				.16			.01								1.54
Warsaw[2].....(B)	do	1.35							.02	.02							T.				.14			T.								1.53
Wasola	White	.78				.30					.33										T.											1.41
Waverly[2]	Missouri	.26		.09	.16				.30	.04											.12	.17			.14			.22					1.50
Southeastern Division																																
Advance[4]	St. Francis	.06							.26	1.08					.02	.01	T.				T.												1.43
Altou..... 10 miles SE	Black	.35													.03						.02												0.40
Annapolis	St. Francis	.70			1.26				1.74	.43					.27																		4.40
Annapolis[2] 4½ mi. NW	do	.95				.70				.73	.03					1.90	.06																4.37
Arcadia[2]	do	.67				.11				.90	.10					.02	.46					T.											2.26
Banner	Black	.86				.78				.78							.10																2.52
Belleview	Meramec		1.00						.09	.06									.26														1.41
Birch Tree	Black				.18				.04	.01					.02						T.												0.25
Bragg City	St. Francis	.79				.03			.06	.34							.01	.01										.05					1.29
Bunker[2]... 4 miles NW	Black	1.74			.07					.33																							2.14
Campbell	St. Francis	1.93							.19	.08					.03						T.												2.23
Cape Girardeau[2]	Mississippi	2.02	.06			.48			.27	.05	.32						1.65	.06															4.91
Caruthersville[2]	do	1.55								.06		.13																					2.04
Centerville[2]	Black	1.02				.62				.34	.02																		.30	T.			2.00
Crane Mountain[2]	St. Francis	1.01					1.85			1.29																							4.15
Crystal City	Mississippi								.72	.63																							1.35
Deering[2]	St. Francis	1.01				.04				.34																			.25				1.64
Dexter[2]	do	2.45	.04							.25	.05																		T.				2.79
Doniphan	Black	1.92							.34						.02				.01		.01	T.											2.30
East End[2]	Meramec	1.85				.44				.42																							2.21
Eastwood Lookout[2]	Black																																
Ellington[2]	do									.90																							2.10
Ellsinore Lookout[2]	do														1.20																		
Farmington	St. Francis	.14			1.99				.91	.31							1.84																5.19
Fisk[2]	do	.89									.61											T.						.01					1.51
Fredericktown[2]	do	.51				1.11				.81	.77					.20	.65																4.05
Gerald[2]	Meramec	1.10															T.																
Goodland	Black	.70			.58				.69						.04		.26																2.27
Greenville	St. Francis								1.07	.12					.04		.13																1.36
High Lookout[2]	Black	2.28								.11						.14																	2.53
Jackson	Mississippi	1.94			.25				.28	.79							3.57																6.83
Jerome[2]	Gasconade	1.00								.68																							1.68
Koshkonong	Black	T				.11															T.												0.11
Leeper[2]	do	1.73								.61																							2.34
Licking	Gasconade	T			.20				T.																								0.20
Macedonia Lookout[2]	Black	1.17								.92																							2.09
Malden[4]	Mississippi	.17							.13	.09							T.				T.								T.				0.39
Marble Hill	do	1.30			.19				.30	1.14						.14	2.20																5.27
Meramec Park[2]	Meramec	2.18				.67				1.74	T				T.	T.						T.						T.					4.59
Morehouse	Mississippi	3.02							.26	.49																							3.77
New Madrid[1]	do	2.61								.25	.11																		T.	T.			2.97
Owensville[2]	Gasconade	2.70								1.17							.05																3.92
Pacific[2]	Meramec	.55								1.10																		T.	.10				1.75
Parma[2]	St. Francis	2.70								.34																							3.04
Perryville[2]	Mississippi	.31				2.21			1.02	.20							1.31																5.05
Pilot Knob[2]... 2 mi. NE	St. Francis					.25			.02	1.00							.26																1.53
Poplar Bluff[1] ....(A)	Black									.26																			T				
Poplar Bluff[2] ....(B)	do	2.17								.19	T.																		.02				2.38
Reynolds[2]	do	1.47				1.12				.52																							3.11
Richwoods[2]	Meramec	.95								1.37																							2.32
Rolla[2]	do	.68				.80			T.	.22						T.	.02					T.											1.72
Round Spring[2]	Black	1.73				.26				.52																							2.51
St. Louis:																																
City Office[1‡]	Mississippi			T.	.56				.91	.37						T.	.01				T.	T.					T.			T.		1.85
Airport[4]	Missouri			T.	.04				1.13	.16						T.	.01				T.						.01					1.35
St. Louis Univ.[3‡]	Mississippi				.56				.75	.26							.03				.01						T.					1.61
Washington Univ.[3]	do	2.09				.03			.44	.65												.04											3.25
Salem[2]	Meramec	.77				1.57				.25	T.					T.	.19	T.															2.78
Sikeston[2]	Mississippi	1.86	T.							.20	.37																						2.43
Summersville[2]	Black	1.65							.03													T.											1.68
Union	Meramec				1.00				1.80							.23	T.				T.						T.						2.53
Valley Park[2]	do	1.18				1.06				1.70							T.										T.	T.					3.94
Van Buren	Black	.88							1.29																								2.17
Vichy[4]	Meramec	.03			.83			.01	.30	.15					T.	T					T.			T.			T.						1.32
Wappapello Dam[2]	St. Francis	2.54								.58	T.					.01						T.											3.13
Weingarten	Mississippi	.35			1.30				.50	.90							.52																3.57
West Plains[4]	Black	.66			T.	.02				T.					.17		T.				T.												0.85
Wilderness[2]	do	1.35			1.75																												3.10
Williamsville[2]	do	1.42								.80						.04		.03				.02											2.31
Willow Springs[2]	White	1.10	.02													.21					T.												1.33
Winona Ranger Sta.[2]	Black	2.15				T.			T.	.28	T.					T.						T.											2.43
Zalma.....3½ miles S	Mississippi	1.77							.28	.21							.12																2.38
Cairo, Ill [1‡]	do	1.01							.10	.26					T.		.11				T.												1.48

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for August 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	89	97	92	90	88	84	91	90	92	86	92	97	95	90	99	80	76	82	85	79	94	94	84	99	99	95	81	86	92	90	97	89.8
	Minimum	70	72	76	75	71	69	69	70	75	69	69	73	75	74	72	71	54	53	53	56	63	66	72	69	70	74	72	64	63	65	71	68.2
Chillicothe §§	Maximum	89	96	91	89	84	83	91	86	86	33	91	96	96	89	90	77	74	79	85	77	91	93	86	98	96	91	78	89	90	85	97	87.9
	Minimum	69	70	74	73	68	68	68	68	75	67	69	71	76	71	70	59	53	52	53	54	61	62	71	70	67	74	67	61	50	51	69	65.5
Columbia	Maximum	87	95	92	88	87	83	88	86	93	88	92	95	95	89	101	79	73	80	83	78	95	96	82	102	101	101	83	83	95	95	99	89.8
	Minimum	70	74	78	77	71	68	70	74	75	71	75	78	77	76	74	59	54	51	59	64	68	75	72	74	74	76	66	64	63	70	74	70.0
Fayette	Maximum	86	95	90	88	86	83	89	87	92	87	91	96	93	92	99	81	77	79	83	77	93	95	89	98	99	97	88	83	94	93	97	89.6
	Minimum	69	74	75	75	67	66	68	74	74	68	70	75	74	72	71	60	52	50	50	61	64	70	68	69	71	72	72	61	60	64	71	67.3
Grant City	Maximum	89	93	86	88	87	85	89	88	88	87	84	92	95	86	90	82	75	78	83	77	89	87	87	95	94	86	76	82	82	79	93	86.2
	Minimum	64	76	68	72	67	67	69	74	71	64	69	72	74	67	69	60	51	46	53	62	59	55	72	70	71	69	61	56	61	65	68	65.2
Hannibal	Maximum	87	95	90	88	83	84	90	88	92	87	90	93	92	85	92	78	72	77	81	80	89	89	91	100	97	96	81	81	90	90	97	87.9
	Minimum	65	70	76	72	67	64	66	67	72	69	70	76	75	69	65	58	52	52	54	61	62	69	71	72	75	73	67	59	59	62	69	66.4
Kansas City Airport	Maximum	92	95	91	87	88	85	97	100	90	83	95	97	96	90	94	80	75	81	88	75	93	95	96	97	99	96	81	88	95	98	98	90.8
	Minimum	70	80	76	76	73	72	75	82	75	71	73	80	80	74	75	60	54	53	58	63	63	73	77	80	78	75	64	60	70	74	76	71.3
Kirksville	Maximum	89	95	93	89	86	85	90	85	87	89	93	93	94	91	93	83	77	80	84	80	90	89	92	100	97	92	84	84	90	84	96	88.8
	Minimum	66	69	72	75	66	65	67	70	78	66	70	70	74	66	67	63	52	51	54	61	63	70	70	70	74	71	62	60	62	67	69	66.3
Lawson	Maximum	93	97	92	88	89	85	95	95	91	86	95	97	96	97	92	82	81	83	83	79	93	92	84	97	97	94	86	86	92	95	96	90.6
	Minimum	67	73	73	72	68	72	75	70	70	64	69	73	72	72	77	58	48	48	53	59	60	72	69	77	72	78	65	56	62	67	69	67.1
Louisiana §§	Maximum	83	97	92	83	83	83	90	86	92	88	90	94	94	88	93	79	74	81	80	76	88	94	92	101	99	100	83	82	92	95	98	88.7
	Minimum	68	70	72	74	66	63	63	63	70	69	69	69	75	73	66	66	56	48	48	48	63	64	71	72	73	70	71	60	60	62	69	65.5
Macon §§	Maximum	87	94	90	90	87	83	89	85	93	88	92	94	92	89	94	82	77	82	84	79	94	90	90	98	97	97	83	87	91	90	97	89.2
	Minimum	67	69	74	74	66	65	65	67	70	66	65	71	76	70	67	65	51	51	51	52	62	64	72	69	74	75	70	60	60	63	72	65.9
Maryville	Maximum	88	94	89	87	85	83	90	88	88	83	84	93	96	90	91	85	75	78	82	80	86	86	87	87	94	91	82	80	81	81	94	86.4
	Minimum	65	75	69	70	68	68	68	74	71	65	67	73	73	68	70	60	50	51	55	61	59	65	68	68	72	70	62	58	61	66	71	65.8
Mexico §§	Maximum	91	100	97	90	87	87	92	86	95	89	96	100	90	90	102	81	76	84	86	83	99	96	90	106	105	104	85	85	97	95	102	92.5
	Minimum	68	72	75	76	67	64	67	62	68	68	71	74	76	72	70	68	52	50	53	60	63	68	70	70	74	74	72	60	60	65	68	67.0
Moberly §§	Maximum	85	94	90	90	87	83	87	86	92	86	90	95	91	88	95	81	75	80	82	76	91	93	85	97	98	96	83	85	91	91	97	88.4
	Minimum	70	71	75	75	67	65	68	68	71	68	71	75	75	72	71	62	51	51	56	60	62	67	71	68	75	72	67	60	63	67	70	67.2
Oregon	Maximum	95	98	92	93	90	90	96	93	90	89	92	100	103	92	99	88	80	85	90	82	94	94	95	102	101	91	84	90	89	94	100	92.6
	Minimum	65	76	71	70	68	69	72	75	70	65	70	76	75	70	73	62	59	50	55	61	60	68	73	75	72	73	63	56	64	70	73	67.7
St. Charles §§	Maximum	90	98	95	91	86	84	91	83	96	89	94	95	98	88	95	80	74	81	84	75	93	95	94	105	102	102	86	79	92	94	98	90.5
	Minimum	71	71	71	77	70	66	68	71	71	72	74	77	77	78	69	75	58	50	61	60	66	70	72	73	73	78	73	62	60	64	69	69.3
St. Joseph	Maximum	92	96	92	90	87	84	95	90	88	85	93	96	98	89	95	80	77	82	86	76	92	93	87	98	98	91	80	87	88	94	96	89.5
	Minimum	68	77	75	73	70	70	72	80	73	67	70	77	79	74	74	58	54	51	58	63	62	72	75	74	79	75	62	60	66	73	74	69.5
Trenton	Maximum	89	97	91	90	85	84	92	87	87	88	92	94	96	88	90	85	76	80	83	78	90	92	90	96	95	90	85	85	88	92	95	88.4
	Minimum	68	76	73	75	68	68	68	67	74	66	70	74	75	71	69	65	53	51	51	62	61	71	70	69	70	71	66	61	63	64	65	66.9
Unionville §§	Maximum	89	96	90	91	89	88	95	86	89	90	92	92	95	91	92	81	77	87	83	83	89	83	90	99	98	95	80	85	90	82	99	89.2
	Minimum	64	68	70	69	66	65	65	72	65	65	68	72	65	64	54	52	50	50	50	60	61	67	68	67	69	64	60	58	58	64	63.1
Warrenton	Maximum	87	95	92	92	88	83	87	86	92	89	92	94	96	89	95	82	75	82	81	79	95	93	90	102	101	101	88	82	92	97	99	90.2
	Minimum	67	70	77	75	67	68	67	71	71	70	70	76	74	74	68	66	52	54	54	61	63	67	68	74	75	72	72	59	57	66	68	67.5
Keokuk, Iowa	Maximum	86	94	84	87	80	81	86	87	87	90	92	89	92	86	99	79	75	76	80	78	87	82	93	99	94	90	79	80	89	90	95	86.4
	Minimum	66	75	74	72	68	66	69	70	76	72	72	72	78	70	67	59	55	57	59	67	66	72	70	73	77	71	66	65	61	72	77	68.8
Southwestern Division																																	
Clinton	Maximum	93	99	93	90	91	86	96	97	96	84	96	96	98	98	97	77	75	81	90	75	98	97	95	98	101	102	85	90	99	100	99	92.8
	Minimum	66	76	76	76	70	71	73	77	74	71	71	73	77	73	73	63	56	49	55	64	66	70	72	72	72	72	64	60	60	67	74	68.8
Eldon §§	Maximum	90	96	96	92	88	95	92	91	96	89	94	96	100	95	103	79	76	83	87	80	99	100	86	103	102	104	88	87	97	101	100	93.1
	Minimum	69	70	73	75	68	67	67	68	73	69	69	71	74	78	71	71	55	50	50	52	63	63	70	70	71	72	73	62	59	61	61	66.6
Harrisonville §§	Maximum	92	94	92	89	90	85	94	100	96	83	95	97	91	95	98	75	77	83	87	71	94	94	96	97	99	101	87	87	98	96	97	91.3
	Minimum	65	67	74	74	70	70	70	73	74	70	72	75	75	73	72	68	51	54	56	58	59	68	70	69	70	72	71	57	62	66	71	67.6
Jefferson City §§	Maximum	87	96	96	92	89	83	87	86	95	89	93	96	98	90	100	79	75	81	84	78	96	98	84	103	103	104	88	87	96	98	100	91.3
	Minimum	68	72	73	78	70	65	68	68	70	71	73	73	76	76	73	73	54	53	53	54	65	65	73	73	74	74	72	63	59	64	68	68.1
Joplin	Maximum	93	101	100	90	88	91	96	100	102	94	99	96	101	97	102	86	75	83	89	90	99	98	100	99	99	100	90	91	99	99	96	94.9
	Minimum	71	80	82	77	73	74	80	83	83	80	77	80	83	78	82	69	60	57	62	72	73	76	81	82	80	79	74	66	68	74	79	75.3
Lamar §§	Maximum	89	95	93	89	85	86	94	98	100	86	96	95	98	91	98	76	74	79	87	84	97	97	98	97	99	100	89	89	97	98	98	92.0
	Minimum	65	66	73	76	67	68	69	73	75	74	72	71	75	74	74	73	58	51	52	58	62	64	69	72	70	69	68	61	60	60	65	67.2
Lebanon §§	Maximum	94	98	95	86	88	89	96	91	97	91	96	98	100	90	91	82	76	81	89	83	100	99	99	104	104	103	90	91	98	100	100	94.2
	Minimum	71	71	75	74	67	67	67	71	75	71	69	69	69	75	72	73	66	54	54	54	64	69	72	72	73	74	71	59	60	60	69	68.0
Lexington §§	Maximum	93	96	92	92	90	85	95	95	94	85	96	97	95	93	94	83	78	83	88	78	94	94	99	99	97	85	88	95	99	97	91	91.4
	Minimum	68	69	75	74	70	70	70	72	76	70	70	72	77	74	73	69	53	54	55	58	60	64	72	69	74	73	71	60	61	65	71	68.0
Marshall	Maximum	94	95	96	90	87	85	91	92	92	91	92	96	95	93	96	86	78	80	84	83	92	94	91	98	99	97	93	84	90	94	96	91.1
	Minimum	71	72	75	77	71	69	69	75	75	69	73	78	78	75	72	68	53	52	55	63	61	70	70	73	71	74	72	67	68	64	76	69.5
Mountain Grove	Maximum	89	95	90	88	88	87	93	89	98	96	95	94	99	96	102	94	80	83	84	83	96	95	98	101	101	101	99	91	93	96	98	93.3
	Minimum	66	71	72	71	70	65	67	71	73	74	71	71	73	77	72	75	59	48	55	60	67	68	68	74	74	74	72	64	60	67	70	68.4
Neosho	Maximum	94	100	99	99	90	93	95	99	100	99	98	96	99	99	100	100	81	85	90	90	99	100	99	100	99	100	99	91	98	99	99	96.4
	Minimum	67	75	75	72	68	69	74	75	78	77	70	76	78	73	71	74	61	47	53	65	65	68	70	73	71	65	68	64	56	62	71	68.7
Nevada	Maximum	93	98	95	93	90	90	98	102	98	90	99	97	99	97	101	89	77	86	93	86	101	99	102	102	101	104	97	93	102	103	100	96.0
	Minimum	66	75	75	75	69	71	72	75	76	67	70	75	78	73	71	69	53	48	56	61	63	67	70	72	69	71	73	59	59	68	70	68.3
Sedalia	Maximum	92	96	94	91	90	85	93	93	94	86	97	98	95	96	103	92	78	83	87	85	97	98	94	100	100	101	95	88	98	98	98	93.4
	Minimum	69	76	75	77	70	69	70	77	78	68	72	76	77	76	74	68	54	49	52	62	67	72	69	73	74	75	72	59	54	70	75	69.3
Springfield	Maximum	91	94	91	85	86	87	91	93	96	90	91	90	96	89	98	87	76	82	83	80	94	94	96	97	98	97	91	89	93	96	96	90.9
	Minimum	67	73	73	68	69	68	72	74	76	71	72	72	73	74	71	65	54	50	56	62	67	68	68	71	70	69	70	61	60	66	72	67.8
Warrensburg	Maximum	92	96	92	92	89	85	95	96	95	86	95	96	96	95	99	87	77	83	89	86	94	96	94	98	99	101	95	88	98	100	98	92.9
	Minimum	67	76	75	78	70	70	71	78	75	69	71	77	77	76	75	67	54	54	56	61	64	73	67	75	75	74	73	62	65	73	75	70.1
Southeastern Division																																	
Arcadia §§	Maximum	91	98	94	95	90	88	90	85	90	95	94	94	98	92	100	89	77	83	85	82	94	95	94	103	108	105	93	88	91	94	99	92.7
	Minimum	68	65	68	74	67	61	60	63	70	71	70	71	70	73	71	69	58	49	45	47	51	61	61	60	70	69	68	61	47	53	57	62.8
Birch Tree	Maximum	90	96	92	85	86	86	93	88	94	93	94	95	99	91	101	96	82	81	85	85	97	95	98	102	104	103	99	90	93	99	102	93.4
	Minimum	67	66	69	75	71	65	62	70	72	75	71	68	69	67	66	70	61	52	50	49	50	51	60	67	64	64	63	66	54	57	60	63.6
Caruthersville §§	Maximum	85	93	94	96	87	85	90	90	90	96	94	94	97	96	96	97	80	80	84	89	92	93	95	99	100	102	99	84	86	94	97	92.1
	Minimum	70	73	75	78	77	69	70	75	75	76	75	75	77	77	78	78	67	63	58	60	62	68	69	69	71	72	71	70	63	64	70	70.8
Crystal City	Maximum	86	96	93	94	97	86	89	84	94	92	93	95	96	88	96	83	77	82	82	78	94	95	97	102	101	101	91	84	91	99	100	91.5
	Minimum	68	64	73	72	67	61	61	67	72	71	74	71	70	72	67	65	56	48	47	50	60	62	61	64	69	68	69	62	51	56	51	63.5
Doniphan	Maximum	92	100	98	98	92	89	94	86	95	96	97	100	103	101	103	102	87	85	89	95	99	100	103	106	106	106	101	95	95	102	104	97.4
	Minimum	70	69	73	75	74	64	64	70	72	75	75	73	72	72	70	74	64	51	49	50	61	61	60	68	66	66	64	68	56	59	59	65.9
Farmington	Maximum	87	94	93	93	85	84	89	84	91	91	94	92	96	87	93	85	73	77	81	82	92	93	95	100	100	99	87	81	88	94	97	89.6
	Minimum	67	66	73	69	66	60	62	69	70	71	71	72	71	76	70	67	55	52	48	51	62	65	65	68	69	69	69	60	52	60	61	64.7
Jackson	Maximum	91	94	95	93	86	87	92	91	90	92	94	94	96	97	97	96	83	79	84	85	90	92	94	98	99	99	99	86	87	93	97	91.9
	Minimum	69	71	77	74	71	65	68	72	72	76	75	77	75	77	71	68	60	56	53	54	65	65	66	69	71	71	71	65	58	61	63	67.9
Poplar Bluff	Maximum	94	97	96	98	89	89	91	83	91	96	97	96	104	98	102	102	85	85	89	92	94	100	102	107	108	107	102	104	95	92	104	96.4
	Minimum	74	71	74	74	72	66	76	74	71	68	74	72	71	73	68	71	60	54	53	55	56	64	66	67	69	60	69	68	71	59	62	67.2
Rolla	Maximum	90	97	93	92	89	85	90	84	95	90	96	97	101	90	103	82	76	80	85	82	97	97	94	103	103	103	91	87	95	98	100	92.4
	Minimum	68	70	77	75	69	65	67	74	71	71	72	75	75	77	71	75	61	54	54	60	65	75	78	74	75	74	73	65	60	70	74	69.8
St. Louis	Maximum	84	95	94	93	84	85	91	82	94	93	93	94	96	88	94	80	73	79	83	76	93	93	94	101	101	100	85	79	90	96	98	89.7
	Minimum	70	74	79	73	72	69	71	71	75	74	77	79	79	79	74	65	60	61	62	65	69	74	75	79	82	81	70	63	66	73	75	72.1
Salem §§	Maximum	91	98	93	89	88	89	89	81	94	92	94	94	100	89	102	82	76	81	85	81	96	95	96	104	103	103	93	86	93	96	99	92.0
	Minimum	68	70	71	74	68	63	63	70	74	72	72	72	72	76	73	72	57	48	48	50	59	67	68	68	69	70	72	62	55	56	64	65.9
Sikeston §§	Maximum	89	95	95	95	88	89	94	83	93	94	95	96	99	96	100	96	79	82	87	91	96	97	99	104	105	105	96	90	94	99	103	94.3
	Minimum	71	72	75	76	72	64	65	72	74	72	73	74	75	75	72	73	60	54	52	55	65	64	64	70	74	73	67	67	56	61	65	67.8
Union	Maximum	98	98	95	96	90	87	90	87	95	94	95	98	101	94	98	83	75	82	82	78	96	97	91	104	103	104	90	85	94	97	100	92.8
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	74	64	54	59	58	....
West Plains	Maximum	92	99	92	90	92	90	98	94	102	98	98	97	101	92	103	100	80	83	88	86	98	98	100	103	104	102	99	93	94	99	100	95.6
	Minimum	65	69	68	71	68	63	62	69	73	71	70	69	72	72	68	70	59	50	49	50	64	61	61	69	65	66	65	63	57	58	60	64.4
Cairo, Ill.	Maximum	87	93	94	93	89	88	93	84	90	94	92	95	97	92	97	93	79	81	85	89	91	93	95	100	101	99	93	86	89	95	97	91.7
	Minimum	71	74	78	75	73	69	73	76	74	78	76	79	78	78	76	71	64	61	58	61	70	70	72	75	75	76	73	68	64	68	71	71.8

a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record to the preceding day, on which it almost always occurs. §§ Instruments are read in the morning; the maximum temperature then read is charged ¶ Estimated. ‖ Partially estimated.

WBO, St. Louis, 9-25-43—1000.

105
MS
47
9

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII SEPTEMBER 1943 No. 9

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Drought conditions of the preceding month were generally relieved during September, except locally in some south-central areas where severe drought continued. The month was generally favorable for maturing of crops and seasonable activities, except in the dry areas, where further deterioration of crops occurred and the water shortage became acute.

Subnormal temperatures prevailed generally throughout the month, except the first four or five days and the last two or three days, which averaged warmer than normal. The deficiency in temperature was general over the whole State, not a single reporting station having a plus departure. It was the coolest September since 1934. The monthly average for the Northern Division was 64.2°, the Southwestern Division 66.6°, and the Southeastern Division 66.7°, all of which are between 3° and 4° cooler than normal. No unusual extremes of temperature occurred. Light frost was reported locally in low and exposed places on several days, particularly on the 17th and 24th, but no damage resulted.

Precipitation was again very irregularly distributed over the State and averaged below normal for each division. Monthly amounts ranged from 7.43 inches at Dexter to 0.47 inch at Vichy, both in the Southeastern Division. The monthly average rainfall by divisions was 3.15 inches for the Northern, 3.97 inches for the Southwestern, and 3.41 inches for the Southeastern, and for the State, as a whole, 3.51 inches, which is only 0.49 inch less than normal. It was the third consecutive month with subnormal rainfall. Showers were rather frequent, except in the dry area, and generally of sufficient amounts to meet crop requirements, with substantial amounts falling on the 5-6th, 12-13th and 22-23d and over the Northern and Southwestern divisions on the 29-30th.

There were no stream overflows reported, most rivers of the State being at relatively low stages throughout the month, due to the fact the bulk of the month's rainfall was absorbed by the soil.

No storms of a general destructive nature occurred, although there was some local damage from hail and wind reported at a few stations; this is mentioned elsewhere.

There was a general improvement in the condition of crops during the month, due to the much needed moisture received. The effects of the drought of August were mostly overcome, except in the south-central section of the State. Pastures were revived and growth of grass started with the abundant rain of the 5-6th; frequent showers the remainder of the month sustained this growth. Fall plowing was resumed during the second week and seeding of wheat, rye, and barley began during the last half of the month. Corn matured nicely, but another week or two were needed, after the month closed, for some of the late crop to reach maturity. Haying operations continued during the month and some corn was cut and shocked, or put into silos. Picking and ginning of cotton continued in full swing in southeastern counties. Apple harvest was under way the latter part of the month in most sections.—M. R. W.

TEMPERATURE

The monthly mean for the State, 98 stations reporting, was 65.8°, or 3.5° cooler than the average of the past 56 Septembers. The highest monthly mean was 69.9°, at Campbell, and the lowest was 62.0° at Grant City and Tarkio. The highest temperature recorded was 102° at Doniphan and Poplar Bluff, on the 1st, and the lowest was 33 ° at Arcadia, on the 26th and 27th.

PRECIPITATION

The average for the State, 188 stations reporting, was 3.51 inches, or 0.49 inch less than the 56-year September average.

(Continued on page 51)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.49*	17	29.65*	5	6.4	23	nw.	5	87*	55*	60*	58	82
Kan. City Airp't.	30.50	17	29.59	5	8.6	40	nw.	5	82*	48	52	63	60
St. Joseph	30.50*	17	29.58*	5	7.3	35	nw.	5	85*	50*	55*	70	75
St. Louis	30.50*	17	29.72*	6	9.6	25	s.	5	77	51	63*	63	56
Springfield	30.48	17	29.70	5	8.6	35	n.	12	87	59	62	60	84
Cairo, Ill.	30.45	17	29.79	6	6.3	24	s.	13	88	59	..	63	37
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	65.2	97	28	1.01	1.13	0.87	1.02	0	4	..	..	..
1889	64.7	94	32	4.68	5.55	4.66	3.83	0	11	..	..	..
1890	63.7	98	30	4.36	3.25	5.49	4.34	0	9	..	..	..
1891	70.6	104	34	0.72	0.53	0.90	0.72	0	6	..	..	..
1892	67.8	97	32	2.46	2.73	2.71	1.93	0	4	19	6	5
1893	69.9	107	26	4.07	3.50	3.96	4.74	0	6	17	7	6
1894	68.5	101	34	4.94	4.16	6.42	4.23	0	8	13	11	6
1895	71.8	104	24	2.38	2.04	2.43	2.66	0	4	19	8	3
1896	65.0	101	28	4.09	4.67	3.92	3.69	0	10	11	10	9
1897	74.3	105	27	0.67	0.97	0.61	0.43	0	2	23	5	2
1898	70.9	103	37	6.70	6.76	7.25	6.10	0	9	15	9	6
1899	67.4	108	21	1.96	2.27	1.79	1.81	0	4	20	6	4
1900	71.1	100	29	4.59	4.77	5.56	3.44	0	10	13	10	7
1901	68.9	103	27	2.16	2.41	2.75	1.31	0	6	18	8	4
1902	63.2	95	30	4.63	4.74	5.36	3.79	0	10	15	6	9
1903	66.6	98	32	4.16	5.64	3.56	3.28	0	8	17	6	7
1904	69.6	96	34	3.77	4.72	2.78	3.82	0	7	16	8	6
1905	69.6	98	41	7.40	8.20	8.36	5.64	0	10	15	6	9
1906	71.9	98	36	4.53	3.54	3.75	6.31	0	11	15	8	7
1907	68.9	101	31	2.06	2.35	1.62	2.20	0	6	18	7	5
1908	71.6	99	28	2.15	1.49	2.69	2.27	0	4	18	8	4
1909	68.7	105	28	4.48	5.30	3.35	4.79	0	8	18	6	6
1910	69.5	97	34	5.45	5.90	6.44	4.01	0	10	14	6	10
1911	73.7	105	39	6.27	8.17	5.98	4.65	0	11	13	7	10
1912	68.6	105	27	3.11	2.72	2.87	3.74	0	6	17	5	8
1913	69.4	109	27	4.75	3.74	4.64	5.88	0	9	13	7	10
1914	69.6	99	35	6.06	7.19	6.01	4.98	0	9	15	8	7
1915	70.6	98	34	5.18	6.21	6.93	2.40	0	7	16	7	7
1916	67.8	101	27	2.97	2.73	3.18	2.99	0	6	19	7	4
1917	67.9	101	33	2.76	2.97	3.64	1.66	0	5	19	6	5
1918	62.3	96	29	4.83	4.11	5.44	4.95	0	7	17	6	7
1919	71.4	104	38	3.14	4.13	1.95	3.34	0	5	20	6	4
1920	70.0	100	31	4.60	4.37	5.78	3.64	0	9	17	7	6
1921	73.4	104	34	6.94	8.05	7.03	5.74	0	13	13	9	8
1922	71.7	107	31	3.10	3.95	3.62	1.74	0	5	21	5	4
1923	68.7	98	33	4.44	4.84	4.75	3.74	0	11	12	9	9
1924	64.0	96	29	3.79	3.41	4.55	3.40	0	8	14	8	8
1925	74.6	110	45	6.56	5.84	6.48	7.37	0	10	14	6	10
1926	69.3	97	27	8.64	11.74	9.12	5.06	0	13	12	7	11
1927	71.6	102	29	3.72	3.11	3.41	4.65	0	8	17	7	6
1928	65.0	95	28	2.50	5.36	1.62	0.53	0	5	20	7	3
1929	67.4	98	33	3.16	3.16	2.83	3.48	0	8	13	10	7
1930	71.3	105	37	4.28	2.86	5.48	4.49	0	8	16	7	7
1931	75.0	104	36	3.91	5.97	3.18	2.58	0	7	19	7	4
1932	67.8	99	33	2.56	2.08	2.04	3.57	0	6	17	8	5
1933	74.6	102	36	4.69	3.00	4.92	6.16	0	9	16	8	6
1934	65.6	95	32	7.39	7.49	7.79	6.89	0	12	12	8	10
1935	68.1	98	33	3.51	4.30	3.13	3.10	0	6	20	4	6
1936	73.6	109	37	8.62	8.76	9.98	7.12	0	11	11	9	10
1937	69.4	103	29	2.41	1.12	2.53	3.57	0	5	18	7	5
1938	71.6	103	30	1.85	1.51	2.40	1.65	0	6	18	7	5
1939	75.5	108	30	0.81	0.42	0.74	1.27	0	2	23	5	2
1940	68.8	100	28	0.69	0.35	1.11	0.62	0	3	19	6	5
1941	71.6	97	35	5.83	5.98	7.34	4.17	0	9	14	9	7
1942	67.4	97	22	4.19	3.58	6.51	2.47	0	7	15	7	8
1943	65.8	102	33	3.51	3.15	3.97	3.41	0	8	13	10	7
Period	69.3	110	21	4.00	4.16	4.25	3.60	0	8	16	7	7

NAT. HIST.

Climatological Data for September 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	62.8	.....	91	4	34	17	14	3.34	−2.21	0.89	6	0	10	21	4	5	se.	Curtis E. Grace
Bethany	Harrison	916	48	62.2	− 4.9	90	5	36	17	50	2.58	−1.98	0.72	6	0	8	16	8	6	se.	A. S. Cumming
Brookfield	Linn	767	2	64.3	.....	94	1	36	17	2	2.07	.....	0.83	6	0	9	9	17	4	nw.	E. W. Patrick
Brunswick	Chariton	652	62	64 9	− 2.1	92	3†	42	17†	64	2.84	−1.97	1.10	13	0	6	18	4	8	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	64.0	.....	89	5	39	17†	13	1.99	−1.75	1.08	13	0	6	13	10	7	se.	Lockmaster
Chillicothe	Livingston	779	34	63.7	− 3.8	90	4	41	17†	37	2.75	−2.03	1.27	13	0	4	25	2	3	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	66.0	− 2.6	93	1†	38	17	34	3.84	−0.70	1.65	6	0	10	11	14	5	nw.	Dr. A J. Bradsher
Columbia	Boone	740	53	65.4	− 4 0	93	5	41	24	53	4.84	+0.49	2.76	12-13	0	11	9	16	5	s.	U. S. Weather Bureau
Conception	Nodaway	980	54	64.2	− 3.0	88	4†	39	20	59	3.67	−0.97	1.12	6	0	9	14	8	8	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	63.8	− 4.1	93	1	35	19	40	3.88	−0.71	1.30	29	0	7	5	17	8	s.	LeRoy Mindrup
Elsberry	Lincoln	449	12	64.4	− 4.9	92	1	35	24†	12	2.94	−0.06	....	..	0	6	8	19	3	s.	John Dowell
Fayette	Howard	760	63	65.2	− 2.9	93	5	39	24	60	4.58	−0.38	1.42	13	0	11	16	7	7	n.	Irvin E. Schnell
Fulton	Callaway	818	55	65.0	− 3.9	95	5	40	24	51	4.40	−0.09	1.98	13	0	9	19	8	3	se.	Frank E. Hillgartner
Grant City	Worth	1,134	39	62.0	− 5.0	88	5	36	17	51	3.67	−1.02	1.27	6	0	8	13	11	6	ne.	Howard Rybolt
Hannibal	Marion	759	51	63.4	− 4.3	94	5	39	17	59	2.94	−1.03	0.87	6	0	9	10	14	6	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	66.3	− 2.6	93	4	44	17	54	2.28	−1.54	0.97	22-23	0	7	12	12	6	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	66.0	.....	94	4	40	17	5	2.98	.....	1.11	23	0	7	17	7	6	nw	University of Kansas City
Kidder	Caldwell	1,020	51	63.6	− 3.7	90	4	38	17	55	4.73	−0.47	2.58	13	0	9	16	7	7	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	64.0	− 2.3	91	1†	40	17	61	3.24	−1.94	1.03	22	0	9	14	10	6	sw.	P. C. Selby
Lawson	Ray	1,070	5	63.8	.....	91	4†	36	18	5	2.91	.....	0.70	6	0	9	21	4	5	se.	Frank G. Gstrein
Louisiana	Pike	469	49	62.4	− 5.6	95	5	36	26†	62	4.00	−0.43	1.40	13	0	5	23	4	3	s.	Stark Bro's Nurseries
Macon	Macon	875	44	63.7	− 4.2	93	3	39	26	50	3.12	−1 32	0 90	6	0	8	8	13	9	se.	John W. Atwell
Maryville	Nodaway	1,169	53	62.3	− 3.3	88	1†	38	20	49	4.15	−0.53	2.27	6	0	11	22	0	8	se.	R. B. Montomery
Memphis	Scotland	787	4	62.4	.....	91	5	39	21	13	1.44	−2.74	0.74	6	0	4	20	7	3	sw.	John W. Alexander
Mexico	Audrain	800	54	65.4	− 3.1	100	5	39	17†	65	4.37	−0.60	2.50	13	0	13	13	16	1	sw.	Henry D. Llewellyn
Moberly	Randolph	875	6	64.5	.....	92	3†	41	17†	6	3.04	.....	1.23	5	0	8	12	9	9	se.	Moberly Water Dept.
New Florence. 1 mi SE	Montgomery	885	0	63.4	.....	94	5	40	26	1	4.30	.....	1.52	13	0	9	8	12	10	se.	U. S. Weather Bureau
Oregon	Holt	1,048	87	65.4	− 1.7	94	5	39	20	87	3.58	−1.52	1.70	6	0	8	18	7	5	nw.	Miss Mina Wright
St. Charles	St. Charles	520	55	65.4	− 2.9	92	3	40	18	65	3.62	−0.22	1.82	13	0	6	19	10	1	nw.	Martin L. Comann
St. Joseph	Buchanan	957	33	65.1	− 3.3	91	5	42	17	71	2.78	−1.14	0.98	29	0	11	23	2	5	se.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	64.6	.....	92	5	42	26	5	2.77	.....	0.96	22	0	6	21	7	2	nw.	Lockmaster
Shelbina	Shelby	779	2	64.4	.....	94	5	35	17	50	3.12	−1.82	1.00	22	0	9	16	8	6	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	65.0	− 4.0	95	1†	37	17†	50	2.37	−2.13	0.84	22	0	8	18	6	6	se.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	40	62.0	− 4.3	90	5	35	17	49	1.88	−2.36	0.81	5	0	8	10	14	6	se.	Albert Volker
Trenton	Grundy	822	47	64.6	− 2 6	91	4†	39	17†	48	2.72	−2.03	1.07	13	0	7	18	8	4	s	W. H. Estes
Unionville	Putnam	1,062	50	63.6	− 3.5	96	5	37	21†	50	2.77	−2.32	1.26	13	0	6	15	12	3	e.	C. D. Wilson
Warrenton	Warren	816	61	64.8[a]	− 4.2	93	1†	40	17†	53	4.73	+0.37	3.70	13	0	5	13	12	5	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	63.8	− 3.7	90	5	42	26	71	1.34	−2.50	0.48	12	0	5	14	9	7	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**64 2**	**− 3.6**	**100**	**5**	**34**	**17**	..	**3.15**	**−1.01**	**3.70**	**13**	**0**	**8**	**15**	**9**	**6**	**se.**	
Southwestern Division																					
Anderson‡‡‡ 1½ mi SW	McDonald	1,000	39	66.9	− 4.1	96	3	36	18	44	3.40	−0.48	....	..	0	8	16	10	4	w	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	66.4	− 4.0	95	3	42	17†	51	4.98	+0.60	1.38	6	0	10	16	9	5	sw.	Rolla Brown
Bolivar	Polk	1,071	40	66.6	− 3.3	95	2	41	24	48	6.37	+2.16	2.54	29	0	9	15	10	5	sw.	Southwest Baptist College
Boonville	Cooper	650	5	62.4	.....	90	5	41	24†	66	5.64	+0.45	3.55	13	0	9	13	8	9	w.	Boonville Water Dept.
Carthage	Jasper	962	9	68.2	.....	96	3	42	19†	19	4.51	.....	2.00	29	0	10	4	20	6	n.	Carhage W. and E. Plant
Clinton	Henry	786	50	66.6	− 4.2	96	3	42	9	56	4.86	+0.34	1.36	12	0	12	15	11	4	sc.	U. S. Weather Bureau
Eldon	Miller	934	48	65.6	− 3.8	94	1†	40	24†	44	3.88	−0.74	1.04	13	0	10	15[a]	11[a]	5[a]	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	66.1[a]	.....	98	1	39	23	2	4 09	.....	2 00	4	0	8	11	11	8	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	65.8	− 2.7	93	1†	41	17	68	3.79	−1.11	0.95	6	0	9	14	11	5	e.	John H. Patterson
Jefferson City	Cole	557	53	65.6	− 3.7	97	4	41	24†	61	5.39	+1.16	2.60	13	0	9	12	7	11	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	69.1	− 3.0	94	3	49	24	38	4.65	+0.73	2.08	6	0	11	17	4	9	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	66.4	− 4.6	95	3	41	26	12	5.16	+0.76	2.37	13	0	9	10	14	6	sw.	W. S. Frame
Lamar	Barton	980	55	65.4	− 5 4	94	3	43	25	62	5.35	+0.80	1.45	30	0	10	19	7	4	ne.	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	65.6	− 3.8	97	3	38	24†	56	2.22	−2.27	0.98	13	0	9	11	3	16	se.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	65.9	− 2.9	95	3	43	18	59	2.48	−2.29	0.87	23	0	8	19	8	3	s.	Mrs. Carrie Loomis
Lockwood	Dade	1,078	37	68 2	− 2.7	100	3	43	9	47	5.90	+1.12	1.90	11†	0	10	13	13	4	se.	Hubert A. Nieman
Marshall	Saline	779	56	66.1	− 2.7	96	1	44	18†	53	4.58	−0.92	2.50	13	0	6	13	14	3	se.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	67 7	− 1.2	98	4	39	24	46	1.45	−2.61	0.60	13	0	7	4	24	2	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	65.2[b]	− 5.3	..	..	40	17	43	....	.....	....	..	0	..	8[b]	13[b]	1[b]	se.	James C. Williamson
Neosho	Newton	1,011	56	68.5	− 2.0	96	1	42	18†	60	5 31	+1.02	1.86	6	0	11	3	23	4	se.	U. S. Fisheries Station
Nevada	Vernon	862	50	68.2	− 1.3	96	3	41	17	51	4.99	+0 68	1.95	29	0	9	15	11	4	n	Henry Kraft
Ozark Beach	Taney	700	3	67 4	.....	99	2	42	18†	18	4.18	+0.99	1.62	30	0	13	0	10	20	se.	A. J. Sharp
Sedalia	Pettis	910	30	67.2	− 2.0	95	1†	43	17†	32	5.55	+0.65	1.45	13	0	11	18	7	5	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	66.8	− 2.8	93	3	48	17†	40	4.45	+0.77	1.14	29	0	11	13	11	6	e.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	37	66.1	− 2.7	95	3	34	24	37	2.66	−1.36	0 67	13	0	10	10	13	7	se.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	55	65.1	− 3.3	94	3	42	9	55	5.78	+2.26	2.59	29	0	15	6	11	13	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	65.5	.....	95	4†	36	17	2	4.65	.....	1.21	29	0	9	16	10	4	s.	H F. Nelson
Warrensburg	Johnson	878	56	68.0	− 2.2	98	1	44	17	63	4.01	−0.77	1.02	23	0	8	16[a]	9[a]	4[a]	n.	Central Teachers College
Warsaw	Benton	687	42	67.4	− 3.1	99	3	43	9†	48	6.25	+1.22	2.20	12	0	11	12	13	5	ne.	Dora B. Johnson
Wasola	Ozark	1,294	2	67.4	.....	94	3†	41	24	3	1.60	.....	0.52	29	0	8	13	11	6	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**66.6**	**− 3.2**	**100**	**3**	**34**	**24**	..	**3.97**	**−0 28**	**3.70**	**13**	**0**	**10**	**12**	**11**	**7**	**se.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	6	66.0	.....	98	1	36	26	6	3.08	.....	1.10	13	0	9	7	8	15	n.	U. S. Weather Bureau
Arcadia	Iron	926	62	64 8	− 2.8	94	2†	33	26†	65	3.57	−0.41	1 80	13	0	9	12	9	9	s.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	48	66.2	− 3.6	94	1†	36	26	49	1 42	−2.26	0.65	13	0	8	10	18	2	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	67.8	.....	97	1	40	26	12	4.89	+1.04	1.64	2	0	8	21	4	5	s.	Paul B Hutchens
Campbell	Dunklin	314	17	69.9[a]	− 1.7	97	1	44	26	17	2.41	−1.46	0 67	13	0	10	9[a]	15[a]	5[a]	ne.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	68.2	− 6.3	97	4	47	25†	51	3.53	+0 32	1.00	5	0	9	14	8	8	e.	Victor T. Malloure
Crystal City	Jefferson	420	9	61.0	− 4.9	93	3	35	24†	9	5.08	+1.70	1.68	4	0	8	11	6	13	se	Frank Magre
Doniphan	Ripley	344	39	69.0	− 2.2	102	1	38	26	39	6.59	+2 98	1.89	13	0	9	20	5	5	ne.	Boyce Lackey
Farmington	St. Francois	896	32	64.0	− 5.6	94	1	35	24†	46	3 05	−0.75	1.91	13	0	7	11	11	8	s.	F. M. Karsch
Goodland	Iron	1,000	50	64.1	− 3.7	95	2	34	26	50	5.11	+1.25	2.73	13	0	6	17	9	4	s	F. M. Adams
Greenville	Wayne	381	34	66.5	− 4.3	99	1	36	26	36	2.97	−0.35	2.05	13	0	7	12	10	8	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	66.4	− 3.7	96	1	41	26	53	5 97	+1.95	3.25	13	0	9	9	0	21	s.	John G. Putz
Koshkonong	Oregon	958	42	69 4[f]	− 2.0	99	1†	40	17†	43	1.36	−2.28	0.53	6	0	4	14	12	4	sw.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	6	66.8	.....	98	1	36	24	6	3.81	.....	1.41	13	0	3	13	16	1	nw.	U. S. Forestry Service

Continued on next page

Climatological Data for September 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	0	68.8	.....	97	1	43	26	0	3.45	.....	1.05	13	0	8	7	10	13	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	66.2	− 4.5	98	1	36	26	50	6.40	+2.52	2.26	13	0	10	15	11	4	n.	R. A. DeWitt
Poplar Bluff	Butler	339	38	68.8	− 2.9	102	1	43	26[1]	39	4.37	+0.48	3.43	13	0	6	8	17	10	sw.	B. R. Wheetley
Rolla	Phelps	1,202	43	66.4	− 2.3	96	5	42	18†	59	3.11	−1.03	1.30	13	0	6	9	16	5	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	106	67.4	− 3.1	90	3	48	26	106	2.40	−1.06	1.95	12–13	0	7	10	10	10	s.	**Section Center**
St. Louis Airport	St. Louis	556	6	65.6	− 3.2	92	3	42	24	12	3.46	−0.91	1.34	12	0	7	9	12	9	s	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	67.2	− 3.7	91	1	47	24	31	2.26	−1.50	0.92	12	0	9	18	6	6	sc.	St. Louis University
Salem	Dent	1,173	39	65.1	− 4.1	95	3	36	24	42	3.38	−0.50	1.62	13	0	10	13	15	2	s.	E. E. Martin
Sikeston	Scott	318	36	67.4	− 3.7	100	1	40	24	46	5.90	+2.02	2.40	13	0	7	14	9	7	w.	William B. Seabaugh
Union	Franklin	520	5	63.6[a]	.....	96	3	36	26	26	3.34	−0.85	2.32	13	0	4	4	20	6	w.	P. J. Politte
Vichy .....2 mi. NW	Maries	1,125	7	65.7	.....	94	3	44	17	8	0.43	.....	0.12	23	0	8	8	13	11	n.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	68.4	.....	97	1	44	26	4	4.90	.....	2.98	13	0	7	15	10	5	w.	U. S. Engineer Office
Weingarten	St. Genovieve	833	2	66.4	.....	96	1	40	26	3	3.17	.....	2.55	13	0	3	8	19	3	s.	William J. Miller
West Plains	Howell	1,005	6	66.0	.....	97	1	38	24	6	0.88	.....	0.39	13	0	7	6	11	13	sc.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	65.0	.....	95	3†	39	7	36	1.19	−2.89	0.80	13	0	5	12	13	5	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	68.6	− 2.9	93	1	46	26	72	4.26	+1.37	1.88	12–13	0	13	6	8	16	ne.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	66.7	− 3.6	102	1	33	26†	..	3.41	−0.19	3.43	13	0	7	11	11	8	s.	
State means	**and extremes**	.....	..	65.8	− 3.5	102	1	33	26†	..	3.51	−0.49	3.70	13	0	8	13	10	7	se.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc. Figures and letters following station indicate distance and direction of station from the city.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for September 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	83	78	80	77	80	70	71	66	62	62	68	68	64	68	66	62	56	60	64	64	64	67	60	58	60	60	64	64	60	68	..	66.4
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.307	.188	.167	.115	.132	.218	.164	.185	.228	.174	.084	.124	.....	.040	.118	.159	.171	.132	.124	.093	.033	.094	.087	.095	.122	.130	.122	.108	.110	.045	....	4.002
	Mean temperature	84	80	79	83	80	72	66	68	60	64	66	64	64	66	70	62	55	60	62	60	66	68	59	56	58	56	64	66	68	69	..	66.4
	Wind movement	36	19	18	14	18	44	23	20	30	25	14	22	32	20	13	34	36	22	25	35	23	11	30	29	22	30	20	19	17	7	..	708

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 49)

The greatest monthly amount was 7.43 inches at Dexter, and the least was 0.43 inch at Vichy. The greatest 24-hour amount, in any observational day, was 3.70 inches at Boonville (river station) and Warrenton, on the 13th. The average number of days with 0.01 inch, or more, was 8.

MISCELLANEOUS PHENOMENA

Fogs.—Heavy, 5th, 7th, 9th, 13th, 14th, 17th, 20th, 21st, 22d, 24th.

Frosts.—Light, locally on 7th, 9th, 17th, 18th, 20th, 21st, 24th, 26th.

Hail.—Moderate, 12th at Appleton City and the south part of Holt County; 13th at Mexico. Heavy, 11th at Pleasant Hill and on 12th in southwestern Dent County.

Windstorms.—On 5th at Pleasant Hill. Trees, wires, and chimneys were blown down, or damaged, and some corn was flattened by wind, estimated at 60 to 70 miles per hour.

HAILSTORMS

Light hail fell at several places in the State on the following dates: 5th, 6th, 12th, 13th, and 15th.

On the 11th, from 7:15 a. m., to 7:28 a. m., heavy hail fell at Pleasant Hill, with considerable damage except there was no damage to crops. Many cloth tops of automobiles were ruined. The storm came from the east-southeast with width of path one-fourth mile. Length of path not reported. Stones were one-half to three-fourths inch in diameter.

Light to heavy hail fell in southwestern Dent County on the 12th, between 8 and 9 p. m., over an area of about 100 square miles, resulting in property damage estimated at $2,500 and severe damage to gardens, truck crops, and corn. The storm came from the north and path was six by fourteen miles. Towns where storm occurred were Rhyse, Jack, Joy, and Custer.

Moderate hail fell in southeastern Holt County, between noon and 1:30 p. m., the same day, resulting in light damage to property and $50 damage to fall gardens. This storm came from the southeast; its path was about five miles wide, length unreported. Stones were one and one-half inches in diameter in the center of the storm, and elsewhere were the size of large peas. The hailstorm was unusually prolonged, the smaller hail falling over a period of one and a half hours.

On the 13th, at 3:30 p. m., moderate hail fell at Mexico, stones being about the size of small marbles. This storm came from the northwest; width of path was eight miles but length not reported. No damage resulted.

(All reference to time indicates Central War Time.)

ERRATA

August 1943, page 44: Mean temperature and date of maximum temperature at New Florence should be 78.0 and 24 respectively.

Daily Precipitation for September 1943

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand						.89				.02		.54	.65	.01					.11			.47	.15						.30	.20		3.34
Amity[2]	do	T.			T.		.94				.01	T.	T.	.43	T.						.02			.11					.40	1.18		3.09
Bethany	do						.72						.25	.71						.08			.26	.07					*	.49		2.58
Bowling Green[2]	Mississippi						1.47					.12	.50	.51	.39								*	1.27						.05		4.31
Brookfield	Grand				.02		.83				T.	.13	.44	.24		.03				T.			.07	.07					.24	T		2.07
Brunswick[2]	do						.88						.14	1.10	.03									.22					T.	.47		2.84
Canton, Lock No. 20[2]	Mississippi				T.	T.	.53					.06	T.	1.08									.23	.06						.03		1.99
Centralia[2]	do						1.18							2.50	.77								.08	.15						.34		5.02
Chillicothe[2] (A)	Grand						1.06				T.			1.27										.11					T.	.31		2.75
Chillicothe[2] (B)	do						1.04				T.		T.	1.11	T.						.02			.10					T.	.36		2.63
Clifton Hill	Chariton						1.65				.01	.02	.77	.62									.06	.15				.11		.28	.17		3.84
Columbia [1]	Missouri	T.		T.	.13	.55	.06				.01	.22	1.11	1.67								T.	.13	.52						.37	.07		4.84
Conception	do	.06					1.12						.38	.58						.19			.17	.21						.85	.11		3.67
Edgerton	do						.84				.34		.45	T.						.05				.45					T.	1.30	.45		3.88
Edina[2]	Mississippi				.06		.47							.82									.61	.17							.14		2.27
Elsberry	do				.58		.25							.80	*	1.00							.31										2.94
Elsberry S. C. S.[2]	do					.89	.25					.09		1.30	.36	T.							.21	.09									3.19
Farber[2]	do						.45					.20	*	1.52	.32								*	*							.98		3.47
Fayette	Missouri	T.		T.	.03		.95					.09	.90	1.42									.08	.25				.09	.12	.50	.15		4.58
Fulton[2]	do				.06		.57					.10	.23	1.98	.17								.20	.80							.29		4.40
Gallatin[2]	Grand				T.		.51				T.			1.27								.02		.15						.06	.65		2.66
Grant City	do						1.27						.45	.85						.10			.40	.12						.24	.24		3.67
Hannibal[3] (A)	Mississippi				.01	.03	.87					.02	.73	.57									.63	.04						.04	T.		2.94
Hannibal[2] (B)	do				T.	T	.90	T.				T		.88	.52								.43	.05									2.78
Hermann[2]	Missouri					.03	.22					.25	.01	1.50	.25									.23							.20		2.69
Kahoka[2]	Mississippi						.49					T.		.55									.27	T							.12		1.43
Kansas City Airport[1]	Missouri	T.				.65	.19		T.		T.	T.	T.	.04						T.			.04	.93					T.	.31	.12		2.28
Kansas City University	do					T.	1.07				.04	T.	.05	.04	T.					T.			T.	1.11						.42	.25		2.98
Kidder[2]	Grand				.22		.71					.01		2.58	.02									.08						.20	.88		4.73
King City	Missouri						.98						.17							.09				.27						.74	.24		2.49
Kirksville	Mississippi				.01		.82					.01	.84	.02									1.03	.16		T.				.10	.25		3.24
LaBelle[2]	do				T.		.55							1.19									.39	.15							.19		2.47
Lawson	Missouri			.10			.70				.21		.60	.25	.02	T.								.45						.45	.13		2.91
Linneus[2]	Grand						.71						.02	.58									.09	.16							.23		1.79
Louisiana[2] (A)	Mississippi						1.10							1.40	.50								.70	.30									4.00
Louisiana[2] (B)	do						.90					.06	.01	1.10	.59								.58	.47									3.71
Lucerne[2]	Grand				.19		.56							1.49									1.42	.22							.10		3.98
Macon[2]	Chariton				.36		.90					.08	.02	.84									.52	.06							.34		3.12
Madison[2]	Mississippi		.01				1.52				.02	.36	.21	1.26	.06								.52							.02	.29		4.27
Maryville	Missouri	.24			.22		2.27				.05		.30	.10						.12			*	.35						.36	.14		4.15
Memphis[2]	Mississippi						.74							.87									.21	T.							.12		1.44
Mexico[2]	do				.01		.68	.01				.02	.13	2.50	.27	.04						.02	.10	.30	.02						.27		4.37
Milan[2]	Grand				.05		.63							1.50									.58	.13							.09		2.98
Moberly[2]	Mississippi					1.23	.21						.66	.29									.05	.12						.34	.14		3.04
Monroe City	do						.58						.25	.62	.26								1.03	.05						.09	T.		2.88
New Florence[4]	Missouri				T.	.03	.61					.10	1.11	1.52						.35			.15	.32						.11	T.		4.30
Oregon	do	.25					1.70				.18		.43	.05						.28				.15						T.	.54		3.58
Palmyra	Mississippi				T.		.86					.01	1.23	.03									.85	.05						.07	.09		3.19
Paris[2]	do						1.14					.22	.05	1.07	.28								.41	.02							.17		3.36
Perry	do						1.07					.26	.60	.65									.98	.04							.14		3.74
Philadelphia[2]	do													1.04									*	.94						T.	.05		2.03
St. Charles[2]	Missouri	T.				1.25	.14					.01		1.82	.30									.10									3.62
St. Joseph[1]	do					.78	.01				.10		.20	.01						.04			.26	.06					.01	.98	.33		2.78
Saverton, Lock No. 22[2]	Mississippi						.68	T.				.08		.90	.11						T.		.96	.04							T.		2.77
Shelbina	do				.04		.82					.09	.85	.05									1.00	.07						.15	.05		3.12
Shelbyville[2]	do						.84					.18		.87									.90	.15							.20		3.14
Steffenville	do				.02		.72						.56	.01		T.							.84	.06						.10	.06		2.37
Tarkio	Missouri					.81					.06		.41							.04			.16	.14						.06	.20		1.88
Trenton	Grand			T.			.94				T.		.15	1.07						.03			.06	.13					T.	.34			2.72
Troy[2]	Mississippi					T.	T.							1.85	.45								T	.20							T.		2.50
Unionville[2]	Chariton						.60						.07	1.26									.52	.20							.12		2.77
Warrenton	Mississippi						.02						.66	3.70									.03	.32									4.73
Keokuk, Iowa[3]	do				T	.40	.23					T.	.48			T.							.15						T	.02		1.34
Southwestern Division																																	
Altona[2]	Osage	.05					.95					.24	.15	.63										.95	.10					.75	.35		4.17
Anderson[2]	Neosho	*	.25				*	1.17				.18	.63	.19																	.98		3.40
Appleton City	Osage	.26					1.38			.03	.05	.73	*	.53										.60						1.10	.30		4.98
Ava Ranger Station[2]	White					.25		.25					*	1.13		.10						.05			.03					.60		2.41
Bakersfield[2]	do					.05					.05	.07	.10	.25								.05										0.57
Bolivar	Osage	T.		.51	.16		.81				.07	.55	T.	.83										.04					T.	2.51	.86		6.37
Boonville[2] (A)	Missouri				.03		.63					.03	.02	3.55	.01									.83						.18	.36		5.64
Boonville[2] (B)	do				.06		.66					.02	.01	3.70	.03								.04	.65						.10	.50		5.77
Buffalo[2]	Osage					.10	*	.41					.56	.93									.08							*	1.93		4.04
Butler[2]	do	.08			1.10							.06	.45	.22	.12	.13					.01			.70	.24					.71	.31		4.13
Caplinger Mills[2]	do	T.				T.	2.02				.04		.91	.19										.14	.20					1.10	1.73		6.24
Carthage	Neosho	.15			.08		1.40						.37	.01	.02	.10								.01						2.00	.37		4.51
Clinton[4]	Osage	.14				.39	.45				.01	.46	1.36							.02			.01	.69					.03	1.06	.24		4 86
Concordia	Missouri				T.		.66				.13			1.81										1.02						.71	.09		4.42
Crocker	Osage				.33	.36	.13	T				.11	.19	1.51							T.		1.72							.28	.20		4.83
Eldon[2]	Missouri				.43	.02	.16	.08					.24	1.04										.63	.13					.75	.40		3.88
Eldorado Springs	Osage						1 40				.12	.68	T.	.06										.42					T	1.79	.22		4.69
Elijah	White										T.				.29						.06			.03					T.	.06	.05		0.49
Fort Leonard Wood[2]	Gasconade	T.			2.00		.40	.05					.11	1.22										.15						.06	.10		4.09
Galena[2]	White		.06		.01	.34	1.22	.13			.15		.60	.23		.08							.31							.39	1.47		5.02
Hailey	do		.42		1.12						.25	.38		.28															.10	1.80		4.35
Harrisonville[2]	Osage						.95					.56	.45	.39	.02									.88	.06					.06	.44		3.79
Jefferson City[2]	Missouri						.20						.12	2.60	.55									.43	.06					.26	.51		5.39
Joplin[1]	Neosho	.30					.20		2.08			.03	.45	.10		.08								.08					.37	.61	.35		4.65
Lakeside[2]	Osage		T.		1.05	T.	.19					T.	.03	2.37	.01									.32	.05					.75	.39		5.16
Lamar[2]	Neosho		.20				1.30	.05			.10	.05	.40	.40											.15					1.25	1.45		5.35
Lebanon[2]	Osage					.10	.03	.05				T	.41	.98		.02						T.		.03						.25	.35		2.22
Lexington[2]	Missouri				T.		.67					.12	.03	.36							.02			.87						.18	.23		2.48
Lockwood	Osage	.05			.26		1.09				.23	1.90		.11							T.			.09					.02	1.90	.25		5.90
Macomb[2]	White					.23	.03	.01					.25	.42		.09						.23									.18	.21		1.65
Marshall	Missouri	.10					.40				T.		.71	2.50										.04						.83	T.		4.58
Marshfield[2]	White					T.	.23						.61			.11									.02					.93	.23		2.13
Mountain Grove	do				.12		.10						.16	.60		.10				.32										.05	T.		1.45
Mount Vernon	Neosho																																
Neosho	do	.23			.51		1.86				.28	.40		.37		.02				.05									.08	.94	.57		5.31
Nevada	Osage	.20					1.37				.10	.41	T	.16						.02			.39						T.	1.95	.39		4.99
Osceola[2]	do	.08					.87					.58	.06	.97									*	.43						1.00	1.84		5.83
Ozark Beach[2]	White	.02			.22	.25	.53	.11			.07	.07	.64	.23		.03						.22								.17	1.62		4.18

Continued on next page

Daily Precipitation for September 1943 Continued from preceding page

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																
Pierce City[2]	Neosho	.01			.10	.02	1.00				.06	T.	.58	.62		T.						T.		T.					.32	1.50		4.24
Pineview Lookout[2]	White																															
Pleasant Hill[2]	Osage	T.			T.		1.18	T.				.23	.16	.98							.02			.81	.11				.14	.49		4.12
Roby	Gasconade	T.			.05		.24					.31	.02	1.05							T.			.16					.08	.18		2.09
St. Thomas[2], 2¼mi SW	Osage				.89		1.13							1.27	.09									.44						.41	.20		4.46
Sedalia	Missouri	.05		.03			.65				.14	.01	.55	1.45									.13	1.10					1.33	.08		5.55
Seligman	Neosho	.12			.42		.94		T.		.12	.89				.08					.31			.16					.12	1.14	.15		4.45
Seymour	White	.02			.30		.14					.48		.67		.12					.09								.01	.46	.37		2.66
Shell Knob[2], 3 mi SE	do																															
Siloam Sprgs Lookout[2]	do																															
Springfield[1‡]	do	.02		.04	.11		.51		T.	.05	.08	.87	.92	.02		.14				T.	.03			.01					.02	2.59	.37		6.78
Stover[2]	Missouri				.16		.41							1.31										.43						.75	.78		3.84
Sugar Camp Lookout[2]	White																															
Sweet Springs	Missouri	.05		T.			.47				.12		.79	.93							T.		.05	.95					T.	1.21	.08		4.65
Tecumseh[2], ¼ mi W	White							.13						.37											.22						*		0.72
Topaz[2]	do		T.			T.							T	.70		.06						.20		T.						.11		1.07
Vanzaut[2], 3¾ mi SE	do					.03	.20						.09	.62								.22			.04					.19		1.39
Warrensburg	Missouri	T.					.87				.05	.02	.60	.50										1.02					.90	.05		4.01
Warsaw[2] (A)	Osage	.01			.11	.03	.60				.05	.20	2.20	T.										.42	.23			T.	.60	1.80		6.25
Warsaw[2] (B)	do	T.	.02		.05	.03	.59					.03	.17	2.39										.40	.14				.57	1.60		5.99
Wasola	White				.17		.04				.08	.25		.31							.19			.04					T.	.52			1.60
Waverly[2]	Missouri						.67					.05		3.00										.55	T.					.17	.43		4.87
Southeastern Division																																
Advance[4]	St. Francis	.27			.40		.03						.87	1.10		.11				.10	.13		T	.07									3.08
Altou ..... 10 miles SE	Black	.46					.02							.99			.31			.11	.04												1.93
Annapolis	St. Francis				.05								2.13								.10		.31										2.59
Annapolis[2] 4½ mi NW	do					.22							T.	2.20		T.						.18		.25	.04								2.89
Arcadia[2]	do			.34		.05	.04							1.80			.10				.03	.21		.99	.10				T.				3.57
Banner[2]	Black					.34	.37							1.50		.02					.05	.20		.96									3.44
Belleview	Meramec				.10		.50							1.80							.21			.96									3.57
Birch Tree	Black	.04			.44		.03							.65		.03					.07			.11						.05			1.42
Bragg City	St Francis		1.64			.89	.68							.70		.05	.85				.04			.06									4.89
Bunker[2] ... 4 miles NW	Black						.27							1.74	.02							.18		.83	.03								3.07
Campbell	St. Francis	.18	.14		.60	.15	.14							.67		T.	.41			.01	.02			.09									2.41
Cape Girardeau[2]	Mississippi		.03		T.		.61	.05						3.10	.03		.18				.07	.05		.62									4.74
Caruthersville[2]	do		.25	.05		1.00	.40	.65						.30	.25		.60				.03				T.								3.53
Centerville[2]	Black					.07	.10							1.52	.02	.04					.05	.29		.53	.02					.02			2.66
Crane Mountain[2]	St. Francis		.29	.07			.08							2.00		.02						.20		.53									3.19
Crystal City	Mississippi				1.68		.14						.27	1.51		.37				.05	.01			1.05									5.08
Decring[2]	St. Francis		.21			.19	.50	.64						.04	.24		.35					.04			.02								2.23
Dexter[2]	do		2.35			.23	.39	.70						2.00	.42		.75			T	.07	.10			.42								7.43
Doniphan	Black	.82	1.80				1.83							1.89		.07	.05			.07	.05			.01									6.59
East End[2]	Meramec					.60	.25							1.60							.05	.20		1.25									3.95
Eastwood Lookout[2]	Black																															
Ellington[2]	do					.50								2.40							.20	.20											3.30
Ellsinore Lookout[2]	do																															
Farmington	St. Francis	T.			T.	.02	.04						T	1.91		.03				.13	.20			.72									3.05
Fisk[2]	do		.35			.23	1.17	.04						3.32			.01			.03		.07											5.22
Fredericktown[2]	do						T.							2.97	.06						.12	.18		.27	.15								3.75
Gerald[2]	Meramec						1.15							2.68							.60									.02			3.85
Goodland	Black				.60									2.73					.11		.25			1.40						.02			5.11
Greenville	St. Francis		.11		.11									2.05			.34			.28	.06								.02			2.97
High Lookout[2]	Black					.47	T.							.85							.15												1.47
Jackson	Mississippi	T.	.05			.37	.32							3.25		.04	.44			.46	.18			.86									5.97
Jerome[2]	Gasconade				.20		.40							1.60										.65						.20			3.05
Koshkonong	Black				.24		.53							.49																	.10		1.36
Leeper[2]	do					.10								2.55						.05	.08	.06			.02								2.86
Licking	Gasconade				1.20		T.					T	T	1.41	T.									1.20						T.			3.81
Macedonia Lookout[2]	Black		.69				.31							1.35			.09			.11		.05			.09								2.69
Malden[4]	Mississippi	.06	T.		.04	.66	.20				T.		.57	1.05		.85				T	.02			T.									3.45
Marble Hill	do	1.15	.07		.26		.53							2.26		.10	.23			.70	.15			.95									6.40
Meramec Park[2]	Meramec						.80							1.89	T.									.40	T				T.	T.			3.09
Morehouse	Mississippi	T	1.21		T.	.31	.46							2.68		T.	.15			T.													4.81
New Madrid[2]	do		T.			.77	.18	.58						.76	.48		.12				.02	.04			T.								2.95
Owensville[2]	Gasconade					.18	1.10							1.75	.35						T.			.42					.15				3.95
Pacific[2]	Meramec						.95					.04		2.10	.20									.36									3.65
Parma[2]	St. Francis					.15	2.15	.05						1.23		.10	.24				.05				.02								3.99
Perryville[2]	Mississippi		.77											*	2.70		.28				T.	.10		.84									4.69
Pilot Knob[2] ... 2 mi NE	St. Francis			.83		.02	.12							1.98			.05				.10	.17		1.16									4.43
Popla: Bluff[2] (A)	Black		.42				.22							3.43						.10		.08			.12								4.37
Poplar Bluff[2] (B)	do		.38					.24						3.33			.08			.13	T.	.07			.05								4.28
Reynolds[2]	do					.58	.06							1.38								.26		.80									3.08
Richwoods[2]	Meramec					.15	.06							1.80										.88					T.	T.			2.89
Rolla[2]	do					.13	.78					T.	T.	1.30		T.								.55						.25	.10		3.11
Round Spring[2]	Black						.18							1.19																			1.37
St. Louis:																																
City Office[1‡]	Mississippi	T.			.18		.01					.01	1.11	.88							T.		.03	.18						T.			2.40
Airport[4]	Missouri	T.			1.01	.28	.05					.01	1.34	.67							T.		T.	.10						T.			3.46
St. Louis Univ.[3‡]	Mississippi	.01			.31	T	.01					.02	.92	.71							.01		.01	.26									2.26
Washington Univ.[2]	do					.81	.04					.02		2.03	.06									.24	.01								3.21
Salem[2]	Meramec					.18	.24					T.	.04	1.62		T.	T.				.06	.07		.85	.08					.15	.09		3.38
Sikeston[2]	Mississippi	2.37	T.		T.	.65	T.					.02		2.40	.10		.25			.06	T.	.07	T.										5.90
Summersville	Black	T.			.20		.09				T.	T.		.56		T.					.30			T.						T.			1.15
Union	Meramec				.28		.38					T.	T.	2.32										.36						T.			3.34
Valley Park[2]	do					.85	.10					.11		2.00	.11									.31	.05								3.53
Van Buren	Black				.06									1.74						.04	.04												1.88
Vichy[4]	Meramec	T.		T	T.	.02	.04				T.	T.	.02	.06							T.	T.	.02	.12						.06	.09		0.43
Wappapello Dam[2]	St. Francis		.60				.04							2.98			1.06			.10	.02	.10											4.90
Weingarten	Mississippi													2.55							.10			.52									3.17
West Plains[4]	Black		.17		T.		.07		T.		T.	T.	.10	.39		T.				T.	.06	T.		T.					T.	.01	.08		0.88
Wilderness[2]	do																															
Williamsville[2]	do		.33				.04	.01						2.72			.08			.07	.02	.04											3.31
Willow Springs[2]	White		T.			.02	.07				T.			.80		T.					T.	.18								T.	.12		1.19
Winona Ranger Sta.[2]	Black		T.			.50	.04							1.01		.02	T.				.03	.03	.04		.01					.01	.01		1.70
Zalma ..... 3½ miles S	Mississippi	.06	.62		.35		.23						T.	2.00		.04	.02				.18												3.50
Cairo, Ill [1‡]	do	.04	.01	.62	.10	.05	.60						.03	1.85		.76	.01			.05	.04			.10									4.26

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for September 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	89	91	92	91	92	72	82	72	74	75	79	69	64	80	75	69	70	75	75	70	72	82	67	70	72	75	82	83	67	72	..	76.6
	Minimum	73	67	64	69	69	63	52	54	46	45	53	60	58	52	51	50	42	42	45	48	46	45	52	44	44	45	45	56	56	61	..	53.2
Chillicothe §§	Maximum	86	88	89	90	89	77	79	70	74	79	80	81	63	79	73	64	68	75	69	67	76	75	65	73	69	77	83	84	65	71	..	75.9
	Minimum	72	62	62	66	65	60	52	52	43	45	56	60	56	50	52	45	41	41	45	43	43	44	49	43	43	42	42	55	56	61	..	51.5
Columbia	Maximum	89	90	92	86	93	75	83	75	75	77	76	77	63	80	74	70	67	73	81	67	71	79	65	71	69	73	82	80	67	76	..	76.5
	Minimum	75	66	69	69	64	53	51	51	44	53	58	60	52	48	58	48	44	47	52	50	45	56	45	41	49	45	57	57	62	61	..	54.3
Fayette	Maximum	88	88	89	88	93	84	82	73	78	75	79	72	62	79	72	70	66	73	78	72	72	79	71	70	70	73	76	81	73	71	..	76.6
	Minimum	72	72	73	71	73	61	48	52	43	48	57	57	57	47	57	48	40	42	44	49	42	57	51	39	45	41	53	53	60	61	..	53.5
Grant City	Maximum	84	85	86	86	88	78	75	70	71	78	78	70	66	77	73	71	66	75	62	66	79	71	61	73	68	76	80	81	65	68	..	74.2
	Minimum	63	57	62	65	56	52	48	41	38	52	55	58	53	48	41	40	36	46	48	39	41	52	47	41	41	43	53	57	60	61	..	49.8
Hannibal	Maximum	89	87	89	85	94	74	81	73	71	79	75	70	61	76	69	67	65	72	78	66	74	77	63	68	64	70	80	80	67	75	..	74.6
	Minimum	67	63	64	69	68	56	49	50	44	48	53	57	53	51	55	47	39	43	49	48	43	55	49	42	45	41	50	52	56	59	..	52.2
Kansas City Airport	Maximum	89	86	88	93	92	73	80	72	78	80	80	80	63	84	75	72	70	76	70	69	81	81	66	70	70	79	81	80	66	69	..	77.1
	Minimum	66	63	64	70	62	59	57	56	46	58	63	60	53	53	54	48	44	52	51	46	45	53	51	47	49	52	62	57	61	63	..	55.5
Kirksville	Maximum	91	89	87	89	91	84	81	74	75	79	78	72	62	78	74	67	67	74	73	69	75	75	67	71	66	67	78	81	73	72	..	76.0
	Minimum	70	60	58	69	65	59	52	52	43	49	54	55	53	51	55	47	40	43	47	41	44	59	42	45	41	41	53	55	58	60	..	52.0
Lawson	Maximum	90	89	90	91	91	80	81	74	77	75	80	72	65	82	75	72	70	72	71	67	79	73	66	74	73	78	82	82	67	72	..	77.0
	Minimum	70	59	60	67	62	58	50	55	41	51	61	56	54	46	51	42	37	36	46	42	42	43	48	43	41	41	42	52	60	61	..	50.6
Louisiana §§	Maximum	88	86	90	91	95	75	82	75	73	79	75	73	62	78	73	69	68	72	79	67	75	78	79	65	65	69	80	79	69	75	..	76.1
	Minimum	69	57	57	59	56	69	48	48	46	43	43	52	60	52	53	47	39	37	40	51	42	46	53	38	37	36	36	46	46	55	..	48.7
Macon §§	Maximum	92	92	93	86	92	73	82	75	71	77	78	66	64	78	76	70	68	73	78	69	75	80	67	70	69	70	78	83	64	75	..	76.1
	Minimum	72	60	61	65	68	61	54	55	44	45	55	58	57	50	51	47	40	40	42	46	46	47	48	45	43	39	42	50	50	59	..	51.3
Maryville	Maximum	88	83	84	85	88	84	73	68	70	75	78	73	64	77	74	64	64	72	69	62	76	74	62	70	68	73	80	78	70	64	..	73.7
	Minimum	61	61	61	64	58	54	48	47	41	51	55	57	52	47	54	44	40	45	48	38	43	55	47	42	42	43	54	57	59	60	..	50.9
Mexico §§	Maximum	93	93	96	90	100	76	86	79	79	80	79	73	63	83	75	72	68	76	84	75	76	80	66	72	69	76	85	85	76	75	..	79.3
	Minimum	72	60	62	67	69	62	50	52	44	48	54	58	58	49	50	48	39	42	45	49	43	48	51	39	44	39	43	51	53	60	..	51.6
Moberly §§	Maximum	88	90	92	87	92	72	80	72	73	79	77	70	64	77	74	70	66	72	76	69	73	81	66	71	70	73	80	81	64	74	..	75.8
	Minimum	72	61	64	69	67	61	51	52	43	50	56	60	58	51	53	45	41	46	50	48	47	48	50	41	42	44	50	57	59	60	..	53.2
Oregon	Maximum	89	91	89	92	94	82	77	72	78	80	83	73	64	82	75	65	69	78	68	68	85	77	68	77	73	79	82	81	73	65	..	77.6
	Minimum	64	61	62	65	60	54	50	52	44	61	59	57	54	49	64	45	40	49	48	39	45	57	48	46	44	46	56	57	60	61	..	53.2
St. Charles §§	Maximum	91	86	92	89	89	78	84	79	75	65	76	69	65	79	78	72	66	75	73	62	75	76	62	75	76	65	71	67	71	81	80	75	76	..	76.0
	Minimum	73	67	65	66	70	66	52	55	49	49	55	60	59	55	50	53	44	40	50	56	56	55	54	41	44	42	48	53	57	58	..	54.7
St. Joseph	Maximum	86	89	87	90	91	72	77	71	77	79	81	70	62	84	74	68	69	77	63	68	81	77	67	74	72	78	82	81	65	65	..	75.9
	Minimum	69	64	62	66	61	58	55	52	46	55	61	59	53	52	53	45	42	50	49	43	49	51	48	47	46	49	62	58	61	63	..	54.3
Trenton	Maximum	88	88	87	91	91	83	79	72	73	79	80	74	73	79	75	67	64	74	74	66	75	75	70	74	70	76	82	82	78	72	..	77.0
	Minimum	70	60	63	64	62	59	51	54	41	54	58	58	55	49	55	46	39	42	46	40	39	59	49	42	40	41	53	53	62	62	..	52.2
Unionville §§	Maximum	90	90	88	92	96	75	83	75	77	83	90	65	71	78	76	75	80	75	73	85	76	75	70	74	75	78	85	83	69	75	..	79.2
	Minimum	68	58	57	64	62	59	49	47	40	38	48	53	52	48	51	44	39	38	40	39	37	38	45	42	40	37	40	54	54	57	..	47.9
Warrenton	Maximum	93	89	92	87	93	84	84	79	75	80	72	64	66	79	77	71	64	73	74	63	72	78	73	71	67	69	80	80	72	..	..	[a]76.6
	Minimum	74	63	64	70	66	66	45	57	43	47	61	55	55	48	58	48	40	42	47	52	47	55	47	42	47	40	48	52	56	..	..	[a]52.9
Keokuk, Iowa	Maximum	85	86	86	84	90	71	77	68	68	78	74	63	61	73	71	64	64	71	75	65	73	78	65	69	64	69	82	81	74	74	..	73.4
	Minimum	70	65	65	70	64	59	56	48	44	54	55	57	54	57	55	48	44	46	51	46	43	55	51	47	46	42	55	57	58	64	..	54.2
Southwestern Division																																	
Clinton	Maximum	91	94	96	92	94	77	85	78	80	74	79	86	70	83	76	76	68	78	82	70	81	82	69	72	73	78	82	76	66	69	..	79.2
	Minimum	66	64	70	72	61	53	48	52	42	54	53	59	54	50	59	48	44	46	50	49	43	49	45	49	45	48	55	60	60	60	..	53.9
Eldon §§	Maximum	94	94	94	86	94	77	85	80	78	80	81	76	70	84	76	73	67	76	83	76	67	83	65	..	72	76	83	79	66	72	..	[a]78.9
	Minimum	71	65	65	65	67	62	50	50	44	42	50	55	58	51	50	50	43	41	41	49	46	46	51	40	..	40	55	53	53	60	..	[a]52.2
Harrisonville §§	Maximum	93	92	93	93	91	76	84	79	80	76	78	85	65	81	76	75	69	75	80	71	79	82	67	71	73	77	82	76	67	70	..	78.5
	Minimum	69	62	66	67	68	58	49	51	47	49	56	57	56	51	54	50	41	45	45	47	47	49	50	45	48	47	48	55	58	59	..	53.1
Jefferson City §§	Maximum	92	92	94	97	94	78	84	78	78	81	79	78	69	81	79	73	66	75	82	67	74	81	66	72	72	75	81	81	69	75	..	78.8
	Minimum	74	67	68	67	68	62	50	50	46	46	50	57	57	49	49	50	44	44	46	50	46	51	52	41	42	41	42	53	53	60	..	52.5
Joplin	Maximum	88	92	94	84	90	82	81	72	78	76	70	87	73	85	80	75	69	76	81	69	80	85	73	74	78	79	70	67	70	70	..	78.5
	Minimum	69	69	69	71	74	61	54	58	52	62	60	63	58	57	63	58	51	50	56	53	54	68	55	49	56	58	60	58	63	63	..	59.7
Lamar §§	Maximum	88	92	94	88	91	75	82	75	78	78	69	84	70	82	79	75	69	79	81	69	80	87	64	74	78	76	81	67	65	71	..	78.0
	Minimum	68	62	62	62	68	60	48	48	44	44	58	57	58	52	52	49	44	44	46	49	48	52	58	45	43	47	53	51	52	59	..	52.8
Lebanon §§	Maximum	94	90	97	86	95	77	85	78	79	76	77	84	72	84	86	73	69	77	80	64	82	86	62	75	72	76	84	75	67	73	..	79.2
	Minimum	74	64	64	68	67	61	45	48	41	41	57	56	58	51	53	47	41	42	44	56	47	52	52	38	38	43	43	52	55	58	..	51.9
Lexington §§	Maximum	90	92	95	93	91	75	82	73	79	76	80	76	63	82	78	74	72	78	76	73	80	84	70	73	75	80	82	81	65	70	..	78.6
	Minimum	72	62	62	68	68	60	54	55	46	48	56	59	57	51	53	49	44	43	46	46	46	47	51	46	46	45	46	54	55	60	..	53.2
Marshall	Maximum	96	87	89	90	92	85	80	79	74	74	78	79	65	79	78	73	65	73	75	66	74	80	77	69	68	74	79	79	75	74	..	77.5
	Minimum	72	62	68	73	69	61	52	55	45	53	59	56	57	51	58	50	46	44	47	47	44	60	52	46	47	44	45	55	60	62	..	54.7
Mountain Grove	Maximum	94	92	95	98	94	87	84	81	80	79	70	86	82	82	89	83	73	74	74	69	76	85	80	73	76	72	79	74	71	71	..	80.8
	Minimum	74	62	68	70	66	60	46	48	43	56	55	56	58	49	63	51	42	46	54	53	51	56	53	39	45	44	52	58	60	59	..	54.6
Neosho	Maximum	96	93	94	95	91	91	81	81	79	79	75	86	86	87	81	80	73	77	83	79	83	86	81	77	80	79	82	86	66	72	..	82.6
	Minimum	67	62	61	68	68	60	45	49	43	58	56	55	58	50	65	50	48	42	47	54	49	58	59	42	48	49	52	47	62	61	..	54.4
Nevada	Maximum	93	94	96	92	95	88	86	83	80	83	79	88	80	86	80	77	74	79	84	75	83	89	81	74	79	81	83	80	69	74	..	82.8
	Minimum	66	62	62	69	65	59	47	53	43	55	56	57	57	51	62	46	41	44	44	51	47	59	51	43	47	50	52	53	59	61	..	53.7
Sedalia	Maximum	95	91	95	90	94	90	83	80	76	75	80	80	65	82	80	72	72	76	81	74	79	80	77	71	70	78	83	80	70	70	..	79.6
	Minimum	70	62	69	71	67	61	50	52	44	54	59	60	56	49	62	47	43	45	47	49	45	62	50	43	47	46	60	57	60	60	..	54.9
Springfield	Maximum	89	91	94	83	91	74	80	76	76	67	69	84	71	80	81	74	68	72	79	60	78	84	64	72	75	74	79	68	64	65	..	76.1
	Minimum	69	65	70	68	65	50	45	50	42	57	55	59	54	50	55	50	43	46	54	50	52	57	48	45	47	48	53	57	60	59	..	54.1
Warrensburg	Maximum	98	91	95	93	95	89	85	80	78	74	80	80	67	82	79	75	70	77	78	72	79	82	76	71	72	79	81	77	72	70	..	79.9
	Minimum	71	63	67	72	68	60	53	55	48	55	59	58	57	52	61	52	44	47	48	49	48	62	51	47	50	46	59	57	60	60	..	56.0
Southeastern Division																																	
Arcadia §§	Maximum	92	94	94	91	92	78	87	85	84	88	78	80	77	84	94	78	78	78	69	68	78	86	68	78	73	73	86	84	85	87	..	82.2
	Minimum	58	66	64	64	69	61	41	42	41	41	44	45	45	51	50	44	39	37	39	55	54	44	51	35	35	33	33	40	45	54	..	47.3
Birch Tree	Maximum	94	89	94	89	93	85	85	83	79	79	74	89	79	82	91	82	69	74	64	60	74	85	79	74	75	73	82	77	79	75	..	80.2
	Minimum	68	68	64	70	67	61	40	46	42	49	51	47	58	48	55	50	44	41	54	55	50	49	55	38	42	36	43	50	62	60	..	52.1
Caruthersville §§	Maximum	96	93	86	97	80	74	77	80	74	73	78	84	81	77	82	73	69	75	63	73	72	78	70	67	70	68	79	80	83	82	..	77.8
	Minimum	72	74	73	74	71	72	57	56	55	56	55	55	62	62	65	62	55	51	51	60	57	52	54	48	47	47	47	51	60	58	..	58.6
Crystal City	Maximum	91	91	93	90	92	84	83	81	78	83	72	72	75	79	77	75	68	73	70	62	74	86	72	71	69	69	79	83	78	79	..	78.3
	Minimum	70	66	60	68	64	58	45	44	41	42	52	47	60	47	54	47	38	37	46	56	54	46	50	35	39	35	39	45	53	54	..	49.7
Doniphan	Maximum	102	90	95	95	92	88	85	86	84	83	81	90	82	85	93	89	78	72	64	74	80	85	77	76	75	71	84	81	85	82	..	83.5
	Minimum	70	71	69	72	70	65	47	48	46	49	48	50	59	52	56	58	47	42	55	59	56	50	58	39	41	38	43	50	62	61	..	54.4
Farmington	Maximum	94	90	91	89	90	79	83	80	73	82	74	78	75	82	88	73	66	73	63	60	75	85	74	61	67	70	79	78	79	80	..	77.7
	Minimum	70	65	63	67	66	60	40	46	39	43	50	49	55	45	55	48	41	38	50	51	52	51	49	35	46	35	43	49	54	54	..	50.3
Jackson	Maximum	96	88	88	90	85	83	77	79	78	76	75	77	77	78	82	79	69	72	71	63	71	80	78	80	66	68	76	79	82	78	..	78.0
	Minimum	70	72	71	72	72	68	49	51	48	49	50	52	59	52	56	55	46	45	56	58	53	52	54	42	44	41	44	54	55	55	..	54.8
Poplar Bluff	Maximum	102	92	94	98	92	87	85	87	82	81	87	90	83	84	92	88	80	73	68	66	79	83	72	73	74	71	82	82	84	80	..	83.0
	Minimum	72	71	70	70	69	67	48	50	51	52	50	51	57	54	54	59	54	47	47	49	54	56	58	44	45	43	43	46	54	57	..	54.7
Rolla §§	Maximum	94	91	94	86	96	76	83	79	76	81	75	77	71	82	87	75	66	75	72	58	76	85	64	72	71	73	81	79	74	75	..	78.1
	Minimum	75	67	67	70	67	60	50	53	46	50	58	61	57	51	60	51	45	42	51	52	52	54	51	43	48	42	51	52	57	59	..	54.7
St. Louis	Maximum	90	88	90	89	90	75	82	77	71	79	75	71	67	77	81	70	66	72	70	61	73	79	63	69	65	69	79	78	77	79	..	75.7
	Minimum	76	69	72	73	72	64	57	59	54	57	62	58	58	56	61	55	49	50	56	56	58	59	54	50	51	48	52	59	61	63	..	59.0
Salem §§	Maximum	94	92	95	89	92	77	87	79	76	82	85	80	74	84	94	74	67	75	65	67	73	84	65	72	70	71	81	77	75	79	..	79.2
	Minimum	74	65	63	64	65	62	42	44	46	46	52	58	58	50	50	48	39	37	40	53	53	53	55	36	38	39	44	48	50	59	..	51.0
Sikeston §§	Maximum	100	88	92	92	85	82	82	84	77	78	80	89	79	84	89	76	69	73	64	68	77	83	67	70	74	72	82	81	85	82	..	80.2
	Minimum	67	70	72	71	72	68	50	51	48	50	49	54	59	58	59	58	45	46	48	56	54	53	54	40	42	41	45	46	56	56	..	54.6
Union	Maximum	95	91	96	91	95	77	84	80	78	82	74	71	71	81	85	74	67	75	83	71	74	84	74	73	69	71	82	81	75	78	..	76.2
	Minimum	..	65	61	70	65	64	44	50	41	45	57	51	58	57	54	47	41	37	38	55	50	59	45	42	41	36	42	47	56	58	..	[a]50.9
West Plains	Maximum	97	91	94	92	94	78	86	86	80	77	68	90	77	84	95	78	70	74	65	64	77	87	67	76	78	72	81	75	77	76	..	80.2
	Minimum	73	69	64	69	65	49	42	45	44	54	49	47	53	49	57	54	44	40	53	56	52	50	44	38	44	38	44	49	62	59	..	51.9
Cairo, Ill.	Maximum	93	86	91	88	81	80	80	82	74	75	78	83	78	81	84	76	69	72	64	68	73	80	69	68	70	70	78	79	81	80	..	77.7
	Minimum	75	74	74	74	74	63	59	59	55	56	55	60	61	61	62	60	52	50	60	59	59	56	54	48	50	46	50	59	61	57	..	59.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record to the preceding day, on which it almost always occurs. ¶ Estimated. || Partially estimated. §§ Instruments are read in the morning; the maximum temperature then read is charged

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CLIMATOLOGICAL DATA

19 **MISSOURI SECTION**
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII OCTOBER 1943 No. 10

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

October was cool and slightly wetter than normal, for the State as a whole, but it was a rather pleasant month and favorable for most activities. Killing frosts and freezing temperatures, occurring about the middle of the month, ended the growing season at about the average date for the northern and central sections of the State, but about one to two weeks earlier than the average in the southern sections. Some late-planted corn was damaged by the frosts and freezing temperatures.

Although the temperature averaged below normal for the State, as a whole, a few stations in each of the three divisions were warmer than normal. The average for the Northern Division was 55.1°, the Southwestern Division 56.6°, the Southeastern Division 57.3°, and for the State 56.3°, which are approximately 1° cooler than the respective normals. It was the coolest October since 1937, with cool periods from the 2d-6th, 14-17th, and 24-28th, while the lowest readings for the month occurred generally on the 16th and 17th. The warm periods were, 7-12th, 18th-21st, and the 29th-31st. The 1st was also warm, but the 10th was generally the warmest day. There were no unusual extremes of temperature reported anywhere in the State during the month.

Precipitation was irregularly distributed this month, as was the case in September, with the Northern Division receiving an average of 2.56 inches, the Southwestern Division 4.27 inches, the Southeastern Division 2.85 inches; the average for the entire State was 3.23 inches. These averages are slightly less than normal for the Northern and Southeastern Divisions, approximately one inch more than normal for the Southwestern Division, and only slightly more than normal for the State. Practically all of the monthly precipitation fell as rain, only a few stations reporting snow, and at these the amounts were less than 0.1 inch. The first eleven days of the month were practically rainless over the Southeastern Division, while in the other two divisions there was practically no rain from the 2d to 11th, inclusive. Frequent showers occurred quite generally after the 11th.

The drought situation in south-central counties continued severe, but the affected area diminished in size with this month's rainfall. Severe drought continued in Howell, Oregon, Shannon, and Carter counties at the close of the month. As representative of the drought in this area, the record for Koshkonong may be used for a comparison of previous summer-early fall droughts with the current one. Total rainfall for the period July to October, inclusive, in 1901 was 5.36 inches; in 1934, 11.63 inches; in 1936, 17.09 inches; in 1939, 7.73 inches; and in 1943, only 4.30 inches. Normal rainfall at Koshkonong for these four months, is 14.79 inches. Thus the current drought is the most severe of record (1900-1943 rainfall considered). It will be noted that only 29 per cent of normal rainfall was received this year during the four months under discussion.

Seeding of the winter wheat crop and the harvesting of a rather short apple crop was completed during the month. The picking and ginning of cotton continued in southeastern counties throughout the month. Pastures and early sown small grains made good growth and were generally in good condition at the close of the month. A good crop of corn was being gathered, but there was some soft corn due to the failure of the late plantings to reach maturity before the occurrence of killing frosts and freezing temperatures. Livestock were generally in good condition but a general shortage of feed and labor was forcing many farmers and dairymen to reduce their herds or to dispose of them and other holdings, and as a result auction sales were numerous in the rural communities, particularly those in the central and northern sections of the State.—M. R. W.

(Continued on page 57)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.49*	6	29.58*	13	6.8	18	sw.	20	84*	54*	60*	68	284
Kan. City Airp't.	30.51	6	29.49	30	9.1	26	s.	11	83	47	53	72	283
St. Joseph	30.52*	6	29.48*	13	7.5	23	nw.	13	85*	49*	56*	73	302
St. Louis	30.54*	6	29.63*	13	11.0	30	s.	5	76	50	63*	66	219
Springfield	30.46	6	29.60	30	10.3	32	se.	23	88	52	65	67	297
Cairo, Ill.	30.45	6	29.71	13	8.6	24	se.	13	85	54	..	71	205
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	53.6	89	24	2.72	2.02	3.32	2.82	....	6	..	..	..
1889	53.8	91	22	2.32	2.54	2.05	2.38	....	5	..	..	..
1890	54.8	91	20	2.35	3.01	2.70	1.33	....	7	..	..	..
1891	55.7	92	20	1.05	1.31	1.09	0.76	....	5	..	..	..
1892	57.5	95	16	2.40	2.04	2.78	2.39	0	5	16	7	8
1893	56.7	95	16	1.12	0.48	0.91	1.97	....	3	20	8	3
1894	57.6	94	18	1.82	2.09	1.26	2.12	T.	6	17	8	6
1895	51.2	89	14	0.42	0.26	0.34	0.66	T.	2	21	6	4
1896	54.1	90	19	2.48	2.70	2.43	2.32	0	5	19	6	6
1897	62.5	99	23	0.74	0.55	0.81	0.87	0	3	22	6	3
1898	53.5	95	19	4.35	4.26	4.18	4.61	1.4	8	11	7	13
1899	62.4	100	24	3.16	1.98	3.58	3.93	0	5	20	6	5
1900	62.4	92	25	3.96	5.23	3.78	2.86	0	7	17	7	7
1901	60.1	96	24	1.69	1.55	1.63	1.89	0	6	18	8	5
1902	59.5	88	23	2.41	2.90	2.30	2.02	0	5	21	5	5
1903	57.3	90	19	3.06	2.19	3.76	3.22	0	6	19	6	6
1904	57.6	90	19	0.88	0.93	0.81	0.90	0	3	20	7	4
1905	55.1	90	20	4.85	3.67	5.78	5.09	0.3	10	15	7	9
1906	56.3	94	17	1.06	0.66	0.89	1.62	0	5	17	6	8
1907	56.7	94	18	2.93	2.02	3.62	3.14	0	7	17	6	8
1908	56.3	92	21	2.39	3.60	3.11	0.45	0.8	5	18	6	7
1909	57.2	96	20	2.72	3.45	2.99	1.71	T.	6	19	5	7
1910	59.4	94	15	2.97	0.97	1.76	6.18	0	5	22	4	5
1911	56.9	96	25	3.16	3.81	3.31	2.36	0.2	8	11	7	13
1912	59.1	97	21	3.78	3.87	4.29	3.17	0.7	6	20	5	6
1913	54.7	93	11	4.65	3.68	3.92	6.36	3.3	9	15	6	10
1914	59.2	88	19	4.59	4.32	4.28	5.17	0	7	14	6	11
1915	59.8	95	22	1.22	0.77	1.61	1.29	0	3	23	5	3
1916	58.0	95	20	2.12	2.53	2.03	1.79	0.3	6	18	5	8
1917	49.8	93	12	1.15	1.25	0.77	1.43	0.2	6	16	8	7
1918	60.6	95	28	3.45	3.02	3.51	3.82	0	7	14	6	11
1919	58.4	98	17	7.07	3.49	8.48	9.23	0	11	10	7	14
1920	61.3	93	18	3.14	1.94	3.76	3.73	T	7	17	6	8
1921	57.9	92	24	2.15	2.78	2.20	1.47	0	5	21	5	5
1922	59.9	97	18	2.04	2.00	1.84	2.28	0	5	20	5	6
1923	53.0	89	17	3.55	2.40	4.40	3.84	0.1	9	15	5	11
1924	61.8	92	21	1.22	1.54	1.59	0.52	0	4	22	5	4
1925	48.6	92	− 3	4.98	3.70	4.12	7.12	2.4	10	8	8	15
1926	57.3	93	21	4.73	4.43	4.98	4.77	0	9	14	6	11
1927	60.9	93	26	4.59	5.49	5.33	2.96	0	5	22	5	4
1928	60.9	94	22	3.82	3.85	2.91	4.71	0	8	15	8	8
1929	57.2	91	23	5.36	6.30	5.97	3.80	T.	10	15	6	10
1930	55.3	92	11	3.09	2.43	3.68	3.17	T.	6	16	6	9
1931	61.7	95	27	3.37	3.89	3.99	2.23	0	8	15	7	9
1932	55.7	90	22	3.54	2.79	3.19	4.65	0	5	18	5	8
1933	56.1	86	23	2.90	1.68	3.78	3.25	0	7	17	8	6
1934	61.1	90	24	2.50	2.22	3.02	2.25	0	4	22	5	4
1935	57.1	90	21	3.47	2.04	4.42	3.94	T.	10	12	7	12
1936	56.7	89	20	3.55	2.45	3.76	4.43	T.	8	16	6	9
1937	56.3	98	15	2.44	1.57	1.89	3.86	T	7	16	6	9
1938	63.9	99	19	1.23	1.11	1.50	1.09	0	3	24	4	3
1939	61.1	100	19	1.89	1.39	1.92	2.35	0	6	21	7	3
1940	63.0	94	28	1.73	2.31	1.65	1.23	0	6	20	6	5
1941	61.6	92	20	10.14	10.41	11.57	8.45	T.	17	8	8	15
1942	58.0	90	13	2.97	1.83	3.71	3.36	0	6	17	6	8
1943	56.3	90	19	3.23	2.56	4.27	2.85	0	7	18	6	7
Period	57.7	100	− 3	2.97	2.63	3.17	3.07	0.2	6	17	6	8

Climatological Data for October 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	53.3	.....	85	10	20	16	14	0.62	−2.17	0.22	30	0	6	23	2	6	ne.	Curtis E. Grace
Bethany	Harrison	916	48	54.0	− 0.8	85	10	22	28	50	0.75	−2.17	0.49	12	0	3	20	5	6	n.	A. S. Cumming
Brookfield	Linn	767	2	54.6	.....	84	10	24	17†	2	2.48	.....	1.05	30	0	9	19	6	6	sw.	E. W. Patrick
Brunswick	Chariton	652	62	54.8	− 0.5	85	10	29	17†	64	3.60	+0.60	0.81	13	0	8	22	5	4	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	54.6	.....	82	10	25	17	13	2.40	+0.14	0.85	21	0	4	20	2	9	nw.	Lockmaster
Chillicothe	Livingston	779	34	54.2	− 0.8	86	10	28	16†	37	1.82	−1.32	0.76	13	0	5	21	5	5	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	56.5	− 0.2	84	10	22	17	34	4.41	+1.89	1.56	30	0	7	18	3	10	ne.	Dr. A J. Bradsher
Columbia	Boone	740	53	56.3	− 0.6	82	19	29	17	53	3.85	+1.24	1.04	12†	0	8	15	9	7	n.	U. S. Weather Bureau
Conception	Nodaway	980	54	55.4	0.0	83	10	22	16	59	0.79	−2.09	0.38	30	0	6	16	10	5	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	53.1	− 3.2	82	19	19	16	40	0.96	−1.66	0.50	23	0	5	11	9	11	n.	LeRoy Mindrup
Elsberry	Lincoln	449	12	55.6[z]	− 1.9	83	20	23	17	12	2.05	−0.46	0.45	23	0	7	14[a]	10[a]	6[a]	s.	John Dowell
Fayette	Howard	760	63	55.6	− 0.8	82	10	27	17	60	4.50	+1.61	1.41	30	0	8	17	4	10	n.	Irvin E. Schnell
Fulton	Callaway	818	55	56.3	− 1.1	83	19	29	17	51	3.54	+0.12	1.00	23	0	10	18	6	7	ne.	Frank E. Hillgartner
Grant City	Worth	1,134	39	53.4	− 1.7	84	10	22	16	51	0.73	−2.31	0.22	30	0	4	15	7	9	ne.	Howard Ryholt
Hannibal	Marion	759	51	55.0	− 1.0	83	10	27	17	59	4.00	+1.61	1.33	21	0	10	17	6	8	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	56.6	− 1.1	85	10	29	16	54	1.93	−0.76	0.83	22–23	0	7	17	8	6	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	57.2	.....	88	10	27	28	5	2.03	.....	0.98	23	0	5	21	4	6	s.	University of Kansas City
Kidder	Caldwell	1,020	51	54.4	− 1.4	83	10	23	16	55	1.71	−1.36	0.41	13	0	7	19	4	8	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	55.7	+ 1.0	84	10	29	17	61	1.46	−1.70	0.52	12	T.	7	16	6	9	sw.	P. O. Selby
Lawson	Ray	1,070	5	55.6	.....	85	10	23	16	5	2.11	.....	0.68	12	0	8	20	7	4	nw.	Frank G. Gstrein
Louisiana	Pike	469	49	51.9	− 4.3	82	11†	22	16	62	3.15	−0.13	0.80	25	0	6	21	3	7	w.	Stark Bro's Nurseries
Macon	Macon	875	44	54.8	− 1.5	83	11	29	17	50	2.74	−0.15	1.12	13	0	8	14	5	12	nw.	John W. Atwell
Maryville	Nodaway	1,169	53	53.4	− 0.1	84	19	22	16	49	0.66	−2.31	0.37	30	0	7	20	5	6	ne.	R. B. Montomery
Memphis	Scotland	787	4	54.0	.....	85	10	27	17	13	1.75	−0.18	0.76	31	0	5	18	2	11	sw.	John W. Alexander
Mexico	Audrain	800	54	55.0	− 1.3	85	10†	27	17	65	4.18	+1.01	1.15	13	0	9	19	3	9	ne.	Henry D. Llewellyn
Moberly	Randolph	875	6	54.6	.....	82	10	27	17	6	2.95	.....	1.21	13	0	6	16	8	7	sw.	Moberly Water Dept.
New Florence, 1 mi SE	Montgomery	885	0	55.1	.....	82	19	27	17	1	3.42	.....	0.79	12	0	11	11	10	10	n.	U. S. Weather Bureau
Oregon	Holt	1,048	87	56.2	+ 1.1	87	10	23	16	87	1.22	−1.53	0.48	30	0	4	16	11	4	ne.	Miss Mina Wright
St. Charles	St. Charles	520	55	57.0	− 1.2	87	20	30	17	65	2.80	−0.38	1.15	24	0	8	19	4	8	s.	Martin L. Comann
St. Joseph	Buchanan	957	33	55.8	− 0.2	85	10	29	16	71	1.54	−1.35	0.89	23	0	6	21	3	7	s.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	56.4	.....	82	10†	29	17	5	3.76	.....	1.42	21	0	8	25	2	4	sw	Lockmaster
Shelbina	Shelby	779	2	54.7	.....	84	10	19	17	50	3.65	+1.04	1.25	21	T.	8	18	6	7	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	55.6	− 1.8	84	10	25	17	50	2.90	+0.17	1.28	21	0	6	20	2	9	sw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	40	....	.....	..	..	..	..	49	0.77	−2.04	0.62	30	0	2	9	16	6	sw.	Albert Volker
Trenton	Grundy	822	47	55.3	− 0.6	86	10	26	16†	48	2.01	−1.12	....	..	0	7	20	7	4	n.	W. H. Estes
Unionville	Putnam	1,062	50	54.6	− 0.6	85	7†	25	16†	50	1.30	−1.83	0.56	13	0	4	17	9	5	sw.	C. D. Wilson
Warrenton	Warren	816	61	56.2[a]	+ 0.2	82	10†	27	17	53	3.84	+0.40	1.56	23	0	8	20	4	7	nw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	55.9	+ 0.5	82	10	29	17	71	3.16	+0.90	1.40	20	0	7	19	3	9	sw.	U. S. Weather Bureau
Division means and extremes		.....	..	**55 1**	**− 0 9**	**88**	**10**	**19**	**16†**	..	**2.56**	**−0.13**	**1.78**	**21**	**0**	**7**	**18**	**6**	**7**	**ne.**	
Southwestern Division																					
Anderson‡‡‡ 1½ mi SW	McDonald	1,000	39	57.4	− 1.3	82	29	25	28	44	5.91	+2.02	1.54	23	0	9	19	8	4	w.	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	56.5	− 2.4	84	10	28	16	51	4.34	+1.38	....	..	0	8	20	2	9	sw.	Rolla Brown
Bolivar	Polk	1,071	40	56.9	− 1.7	82	29	29	16	48	3 82	+0.57	1.16	23	0	10	17	8	6	sw.	Southwest Baptist College
Boonville	Cooper	650	5	52.0	.....	78	10	28	16†	66	4.55	+1.33	1.80	31	0	7	17	6	8	se.	Boonville Water Dept.
Carthage	Jasper	962	9	57.9	.....	83	10	29	16†	19	3.95	.....	1.33	23	0	8	16	12	3	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	56.0	− 2.9	85	10	28	16	56	5.02	+1.57	2.32	12	0	9	18	7	6	s.	U. S. Weather Bureau
Eldon	Miller	934	48	56.1	− 1.3	83	10	28	17†	44	5.02	+1.32	1.82	13	0	8	16	9	6	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	55.6	.....	83	10	28	16	2	4.24	.....	1.88	21	0	6	15	10	6	n.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	56.0	− 0.1	85	10	25	16	68	3.41	+0.44	1.57	23	0	7	16	1	14	e.	John H. Patterson
Jefferson City	Cole	557	53	55.5	− 1.3	83	10†	29	17	61	3.39	+0.02	0.91	13	0	6	20	4	7	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	59.0	− 1.2	80	10†	34	16†	38	3.86	+0.41	1.43	23	0	7	22	0	9	n.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	56.6	− 3.2	84	10	31	17	12	4.65	+1.84	1.40	23	0	8	20	5	6	ne.	W. S. Frame
Lamar	Barton	980	55	54.8	− 4.1	82	10	28	16†	62	3.30	−0.31	1.60	13	0	6	19	3	9	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	55.2	− 2.5	89	1	28	16†	56	4.68	+0.91	1.09	13	0	7	16	7	8	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	56.4	− 1.1	85	10	27	16	59	2.99	−0.04	1.04	23	0	9	20	7	4	n.	Mrs. Carrie Loomis
Lockwood	Dade	1,078	37	58.1	− 0.6	84	10	29	16	47	3.66	−0.24	1.30	23	0	8	18	8	5	sw.	Hubert A. Nieman
Marshall	Saline	779	56	56.4	− 0.2	82	10†	28	16†	53	4.62	+1.49	1.66	23	0	9	18	9	4	sw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	57.4	− 0.2	80	10†	29	16†	46	3.94	+0.48	1.04	13	0	8	14	10	7	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	57.6	− 1.0	82	10	28	16	43	5.05	+1.67	1.90	23	0	8	18	7	6	sw.	James C. Williamson
Neosho	Newton	1,011	56	58.0	− 1.2	82	10	27	16	60	6.07	+2.38	2.31	23	0	10	12	10	9	nw.	U. S. Fisheries Station
Nevada	Vernon	862	50	58.1	+ 0.5	84	10	29	16	51	4.10	+1.03	2.07	12	0	9	19	5	7	sw.	Henry Kraft
Ozark Beach	Taney	700	3	57.7	.....	85	10†	31	16†	18	3.35	−0.52	1.01	13	0	6	7	16	8	se.	A. J. Sharp
Sedalia	Pettis	910	30	57.4	− 0.3	83	10	27	16	32	6.07	+3.39	1.52	15	0	9	19	3	9	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	56.4[c]	− 2.6	77	29	28	16	40	4.89	+1.43	2.00	15	0	7	14[c]	6[c]	8[c]	s.	Floyd E. Fawver
Seymour, 3½ miles NE	Webster	1,642	37	55.2	− 2.2	79	10	26	17†	37	3.90	+0.42	1.29	21	0	9	18	5	8	s	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	55	55.6	− 2.0	80	29	28	16	55	3.99	+0.94	1.31	23-24	0	7	16	5	10	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	55.7[a]	.....	85	10	24	16†	2	3.82	.....	1.38	23	0	10	17[a]	8[a]	5[a]	s.	H. F. Nelson
Warrensburg	Johnson	878	56	57.2[z]	− 0.8	83	10	28	16	63	4.49	+1.47	1.52	23	0	8	15[h]	5[h]	3[h]	ne.[h]	Central Teachers College
Warsaw	Benton	687	42	57.3	− 1.7	84	10	28	28	48	4.79	+0.99	1 60	23	0	9	16	5	10	nw.	Dora B. Johnson
Wasola	Ozark	1,294	2	58.1	.....	80	11	27	16	3	3.87	.....	0.87	13	0	8	19	6	6	n.	A. W. Pinckney
Division means and extremes		.....	..	**56.6**	**− 1.5**	**89**	**1**	**24**	**16†**	..	**4.27**	**+1.10**	**2.32**	**12**	**0**	**8**	**17**	**7**	**7**	**n.**	
Southeastern Division																					
Advance, ¼ mile W	Stoddard	354	6	56.0	.....	85	1†	25	17	6	2.45	.....	1.42	13	0	9	16	6	9	n.	U. S. Weather Bureau
Arcadia	Iron	926	62	54.0	− 2.0	84	10†	22	17	65	3.95	+0 50	1.00	23	0	9	18	3	10	e.	Arcadia College
Birch Tree, ½ mile E	Shannon	1,060	48	56.7	− 1.7	83	10	24	17	49	2.35	−0.03	1.13	13	0	6	19	6	6	sw.	R. C. Moger
Brazy City	Pemiscot	261	1	....	.....	..	..	..	..	12	....	.....	....	..	..	..	..	..	..	.....	Paul B. Hutchens
Campbell	Dunklin	311	17	59.2	− 0.9	85	1†	29	17	17	2.00	−1.10	1.27	13	0	7	24	2	5	ne.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	58.6	− 3 6	88	21	33	16†	51	1.97	−1.39	0.70	25	0	6	19	2	10	n.	Victor T. Malloure
Crystal City	Jefferson	420	9	54 9	− 3.5	86	20	23	17	9	2.18	−0.59	....	..	0	7	23	0	8	ne.	Mrs. Frank Magre
Doniphan	Ripley	341	29	58.6	+ 0.1	85	10†	25	17	39	3.37	+0.31	1.65	13	0	7	23	3	5	nw.	Boyce Lackey
Farmington	St. Francois	896	32	55.2	− 1.6	82	1†	23	17	46	2.91	−0.53	1.12	24	0	8	16	5	10	s.	F. M. Karsch
Goodland	Iron	1,000	50	54.8	− 1.1	82	11†	21	17	50	2.92	−0.67	0.80	13	0	7	21	2	8	n.	F. M. Adams
Greenville	Wayne	381	34	57.6	0.0	87	1	26	28	36	3.17	−0.11	1.41	24	0	6	20	4	7	n.	Beuford Shoemake
Jackson	Cape Girardeau	428	52	57.1	− 0 8	83	1	28	17	53	2.29	−1.23	1.27	13	0	6	15	7	9	s.	John G. Putz
Koshkonong	Oregon	958	42	59.7[z]	+ 0.1	85	10	30	16†	43	2.61	−0.61	1.20	24	0	5	22	9	0	s.	R. E. Bratcher
Licking, 4 miles N	Texas	1,176	6	56.6	.....	82	10†	24	17	6	3.62	.....	1.27	13	0	6	18	6	7	s.	U. S. Forestry Service

Continued on next page

Climatological Data for October 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	0	59.1	.....	85	1†	32	17	0	2.06	.....	1.03	13	0	9	12	8	11	s	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	57.3	− 0.9	86	1	24	17	50	4.00	+0.58	2.31	13	0	7	20	2	9	n.	R. A. DeWitt
Poplar Bluff	Butler	339	38	58.5	− 1.6	86	11	27	17	39	3.74	+0.08	2.64	13	0	4	17	6	8	n.	Joe Roehm
Rolla	Phelps	1,202	43	57.0	+ 0.5	83	20	28	17	59	3.66	+0.19	1.37	21	0	6	14	11	6	ne.	Rolla School of Mines
St. Louis	**St. Louis City**	465	106	58.8	0.0	84	20	31	17	106	2.22	−0.50	0.78	23–24	0	8	15	6	10	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	56.5	− 0.8	85	20	29	17	12	2.71	−0.71	0.62	24	T.	7	13	8	10	n	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	58.5	− 0.1	83	20	32	17	31	2.63	−0.53	0.85	24	T.	10	17	6	8	nw.	St. Louis University
Salem	Dent	1,173	39	56.3	− 1.3	83	19†	28	17†	42	8.74	+0.12	1.53	13	0	6	20	2	9	s.	E. E. Martin
Sikeston	Scott	318	36	57.6	− 1.7	86	1	27	17	46	1.32	−1.95	0.44	13	0	7	22	4	5	n.	William B. Seabaugh
Union	Franklin	520	5	60.8	.....	90	20	28	16	26	2.77	−0.71	0.75	24	0	6	21	5	5	s.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	7	56.5	.....	81	19	30	17	8	3.11	.....	0.75	23	0	8	11	10	10	n.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	58.4	.....	85	1	30	17	4	3.63	.....	2.13	13	0	8	22	3	6	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	57.7	.....	82	1†	27	17	3	2.10	.....	1.02	24	0	5	17	7	7	n.	William J. Miller
West Plains	Howell	1,005	6	56.2	.....	84	10	27	17	6	2.71	.....	1.24	12	0	7	18	4	9	ne.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	55.5	.....	83	10	27	17†	36	3.68	+0.36	1.30	31	0	7	17	3	11	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill...	314	71	59.3	− 1.1	83	1	32	17	72	1.61	−1.15	0.80	13	0	10	16	6	9	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	57.3	− 1.1	90	20	21	17	..	2.65	− 0.22	2.66	13	0	7	18	5	8	n.	
State means	**and extremes**	.....	..	56.3	− 1.4	90	20	19	16†	..	3.23	+0.26	2.66	13	0	7	13	6	7	n.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+).

All completed reports are used in determining section and division means. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Andersou(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for October 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
	Mean temperature	72	68	60	57	54	55	58	62	61	64	63	60	60	57	42	44	48	59	60	61	63	56	46	54	47	45	48	52	60	58	58	56.6
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.071	.152	.119	.122	.136	.107	.080	.146	.103	.120	.099	.132	.053	.080	.102	.069	.065	.074	.065	.142	.126	.136	.032	.014	.026	.056	.021	.054	.069	.081	.092	2.735
	Mean temperature	72	66	60	56	55	58	61	64	64	64	65	66	62	56	41	42	44	58	64	69	64	56	50	48	46	44	46	48	60	60	64	57.1
	Wind movement	8	42	51	45	29	21	13	17	14	17	13	32	62	28	55	77	40	24	13	25	54	30	12	49	72	97	102	28	19	40	63	1192

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 55)

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 56.3°, or 1.4° cooler than the average of the past 56 Octobers. The highest monthly mean was 60.8° at Union, and the lowest was 51.9° at Louisiana. The highest temperature recorded was 90° at Union on the 20th; the lowest 19° at Edgerton on the 16th, and Shelbina on the 17th.

PRECIPITATION

The average for the State, 189 stations reporting, was 3.23 inches, or 0.26 inch more than the 56-year October average. The greatest monthly amount was 6.61 inches at Ava Ranger Station, and the least was 0.62 inch at Albany. The greatest 24-hour amount, in any observational day, was 2.66 inches at Poplar Bluff (river station) on the 13th. The average number of days with 0.01 inch, or more, was 7.

A trace of snowfall occurred locally at a few stations on the 15th.

MISCELLANEOUS PHENOMENA

Fogs.—Heavy, 6th, 7th, 8th, 9th, 14th, 21st, 28th, 29th, 30th, 31st.

Frosts.—Light, 4th, 5th, 6th, 7th, 14th, 15th, 16th; heavy, 5th, 16th; killing, 4th, 15th, 16th, 17th.

Hail.—Light, on 20th at Cameron and on 31st at New Florence.

Tornado.—30th (See special tornado notes).

Windstorms.—No damaging winds reported, other than tornado listed above.

TORNADO

A small tornado struck the extreme southwestern corner of the State at about 6:00 p. m., (C. W. T.) on the 30th and moved northeastward over a path approximately 50 miles long and from 100 to 400 yards wide. It was first observed near Anderson, McDonald County, and extended into Barry County, striking the northwest edge of Wheaton, passing through Corsicana, and moving one and one-fourth miles northwest of Purdy, thence to the vicinity of Marionville, Lawrence County, where it was last reported. Five persons were injured, but none were killed. Property damage was estimated at $40,000 in McDonald County and $11,000 in Barry County. Crop losses were estimated at $1,000 in McDonald County and $3,000 in Barry County. No estimates of damage and loss were received from Lawrence County.

ERRATA

August 1943, page 44: Total precipitation and departure at Springfield should be 2.10 and −1.99, respectively; date of maximum temperature at Advance and Joplin should be 25 and 9†, respectively. Page 47: Precipitation at Springfield on 1st should be .65; total should be 2.10.

September 1943, page 50: Total precipitation at Advance and New Florence should be 3.82 and 3.95, respectively; mean temperature and number of days with .01 inch, or more, of precipitation at New Florence should be 63.6 and 8, respectively. Page 52: Precipitation at New Florence on 19th should be T.; total should be 3.95. Page 53: Precipitation at Advance on 6th should be .77; total should be 3.82. Page 54: Mean maximum temperature at Sikeston should be 80.1.

Daily Precipitation for October 1943

Stations	Drainage-basins	Day of month																													Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand												*	.16							.02				.11						.22	.11	0.62
Amity[2]	do	.01											T.	.02	T.	T.						.02		.64	.10	T.					T.	.45	1.24
Bethany	do												.49								.10			T.							.16	0.75
Bowling Green[2]	Mississippi													.69	.05		.30					.95		*	.93							.41	3.33
Brookfield	Grand		.25										.48	.03							.15	.04		.35	.11					1.05	.02	2.48
Brunswick[2]	do	.73	.59											.81		.15						.10		.55	.34		T.			T.	.33	3.60
Canton, Lock No. 20[2]	Mississippi	T.												.77	T.	T.						.85			.47	T.						.31	2.40
Centralia[2]	do		.08										1.13			.33						.82		.44	.60							.56	3.96
Chillicothe[2] (A)	Grand													.76								.13		.18	.17							.58	1.82
Chillicothe[2] (B)	do												T.	.81	T.	T.						.24		.25	.22	T.	T.				T.	.75	2.27
Clifton Hill	Chariton	.17											1.13	.50		.19								.75	.11					1.56		4.41
Columbia [1‡]	Missouri	T.											1.04	T.	.19	.16					.78	.15		1.04	.12	T.				.37		3.85
Conception	do												.08	.09							.08			.05	.11					.38	T.	0.79
Edgerton	do												.02	T.	T.						.22			.50	.05					.17	T.	0.96
Edina[2]	Mississippi												T.	.95	T.							T.			.19							.47	1.61
Elsberry	do												.21	.27		.18						.41		.45	.28					.25		2.05
Elsberry S. C. S.[2]	do													.48	.11	.19	T.					.42		.11	.48	.07					.18	2.04
Farber[2]	do	T.	.01											.84		.29						1.36		.25	*	.58						.44	3.77
Fayette	Missouri		.11										.81	.79		.16					T.	.02		1.05	.15		T.			T.	1.41		4.50
Fulton	do	.02											.42	.33		.24						.91		1.00	.18		.01			.17	.23	3.54
Gallatin[2]	Grand												T	.47								.55		.11	.12						.28	1.53
Grant City	do	T.	T.										.19	T.							T.			T.	.20					.32	.02	0.73
Hannibal[3] (A)	Mississippi	.07											.80	.11	.03	.09					.22	1.33		.43	.30		T.			.62		4.00
Hannibal[2] (B)	do	T.	.08											1.06	.03	.07						1.78			.75	.05						.76	4.58
Hermann[2]	Missouri	.02												.35		.22						.98		.20	1.05	.09						.30	3.21
Kahoka[2]	Mississippi												*	.89								1.50										.54	2.93
Kansas City Airport[1‡]	Missouri	.42										T.	.14		.02						.30		.21	.62	T.					.22		1.93
Kansas City University	do	.47	T.										.18	T.	T.	T.					.07			.98	T.					.33		2.03
Kidder[2]	Grand	.02											T.	.44								.35		.28	.22		.01				.39	1.71
King City	Missouri	T.																					.17	.23						.19	.31	0.90
Kirksville	Mississippi												.52	.08	T.	T.					.05			.09	.18					T.	.05	.49	1.46
LaBelle[2]	do	T.												.91								1.35			.31							.33	2.90
Lawson	Missouri	.35											.68	.02							.12			.62	.05						*	.27	2.11
Linneus[2]	Grand													.61								.09		.17	.15							.60	1.62
Louisiana[2] (A)	Mississippi													.79	.30							.60		.15	.60	.80							3.15
Louisiana[2] (B)	do													.63	.04	.27						.53		T.	.86	.11						.27	2.71
Lucerne[2]	Grand													.92								.31			.47							.62	2.32
Macon[2]	Chariton	.14												1.12		.06	.01					.11		.26	.47					T.		.57	2.74
Madison[2]	Mississippi	.04											.01	1.15	.15							1.22		.33	.49	.01						.42	3.82
Maryville	Missouri	.02											.01	.03										.12	.09						.37	.02	0.66
Memphis[2]	Mississippi	.15												66							T.				.04							.76	1.75
Mexico[2]	do	.03	.25											1.15		.45						.83		.55	.14	.07						.15	4.18
Milan[2]	Grand													.73	.03							.61			.22							.33	1.92
Moberly[2]	Mississippi													1.21		.20						.17		.76	.13							.48	2.95
Monroe City	do												.66	.30		.12						1.49		.52	.21							.53	3.83
New Florence[4]	Missouri												.79	.07	.05	.14					.39	.51		.75	.28	.02				.38	.04	3.42
Oregon	do												T.	.22							T.			.47						.48	.05	1.22
Palmyra	Mississippi												*	.74		.09						1.60		.50	.11							.23	3.26
Paris[2]	do	.04	T.											1.06		.18						.85		.28	.71	.01						.50	3.63
Perry	do		.23										.46	.40		.31						1.18		.45	.43						*	.27	3.73
Philadelphia[2]	do	.03												.41										.09	1.01						T.	.45	1.99
St. Charles[2]	Missouri													.26	.13	.12						.55		.10	1.15	.12						.37	2.80
St. Joseph[1‡]	do	.01											.03								.02		T	.89	.03					.56		1.54
Saverton, Lock No. 22[2]	Mississippi	T												.96	.04	.15						1.42		.06	.78	.03						.32	3.76
Shelbina	do	.02											.95	.28		.08					T.	1.25		.52	.26						T.	.29	3.65
Shelbyville[2]	do													1.35								1.65			.55							.34	3 89
Steffenville	do												*	.86			T.					1.28		.20	.29						.27		2.90
Tarkio	Missouri																	.15														.62		0.77
Trenton	Grand												*	1.16							*	.33		.22						T.	*	.30	2.01
Troy[2]	Mississippi													.28	.13	.15						.55		T.	.90	.05						.50	2.56
Unionville[2]	Chariton	T.												.56	T.							.20			.18							.36	1.30
Warrenton	Mississippi												.16	.36		.20						.86		1.56	.35					.01	.24	3 84
Keokuk, Iowa[3]	do	.01		T.									.89	T	T.						1.40	.32		.02	.17	T.				T.	.35		3.16
Southwestern Division																																	
Altona[2]	Osage	.75	.26										.10	.65		.20					T.	T.		2.00							.17		4.13
Anderson[2]	Neosho	.16	.96										T.	1.35		.57						.30		.33	1.54	.25						.45	5.91
Appleton City	Osage	.50											*	2.00		.20					.05			1.47	.02						.10		4.34
Ava Ranger Station[2]	White												*	1.50		*	1.00					1.31			1.00							1.80	6.61
Bakersfield[2]	do																																
Bolivar	Osage	.20											.68	.90		.21					T.	.10	.04	1.16	.14						.35	.04	3.82
Boonville[2] (A)	Missouri	.01												1.30		.23						.16		.80	.35							1.80	4.55
Boonville[2] (B)	do	.01												1.48	T.	.04						.06		.70	.60	.02						1.49	4.40
Buffalo[2]	Osage	1.02												1.50		.20					.25			1.60	.10							.30	4.97
Butler[2]	do	.28	.18										.10	.69		.23						.19		1.68	.11							.19	3.65
Caplinger Mills[2]	do	.20	.06											1.33	T.	.20						.03		1.61	.07							.26	3.16
Carthage	Neosho	.38											.58	.80		.32							.15	1.33	.12					.27		3.95
Clinton[4]	Osage	.54											2.32		.25	.01					.06		.20	1.51	.03					.10		5.02
Concordia	Missouri	.78											.53	.43		.29						.21		1.35	.09							.17	3.85
Crocker	Osage												.24	.58		.20						1.21		.61	1.09							.78	4.71
Eldon[2]	Missouri	.31												1.82		.36						.67		1.27	.27	.06						.26	5.02
Eldorado Springs	Osage	.07	.03										1.22	1.02		.16					T.			1.38	.05					.05		3.98
Elijah	White													2.04		.42						.04		.27	.84							3.61
Fort Leonard Wood[2]	Gasconade													.44		.27						1.88		.29	1.06	T.						.30	4.24
Galena[2]	White	.03												1.60		.75						1.69			1.02							.44	5.54
Hailey	do		.16										1 52		.51							.74		.98							.05		3.96
Harrisonville[2]	Osage	.52	.12											.59								.31		1.57	.07							.23	3.41
Jefferson City[2]	Missouri													.91		.36						.62		.76	.47							.27	3.39
Joplin[3]	Neosho	.43											1.20		.15	.18							.35	1.43							.12		3 86
Lakeside[2]	Osage	.09	T.										T	1.37		.36						.73		1.40	.30	.03						.37	4.65
Lamar[2]	Neosho	.15											.10	1.69		.25								1 10	.10							T.	3.30
Lebanon[2]	Osage	.16												1.09		.97						.79		.75	.35							.57	4.68
Lexington[2]	Missouri	.63	.11										.02	.55		.32								1.04	.12						.02	.38	2 99
Lockwood	Osage	.31											.80	.52		.30					T.	.03		1 30	.10						.30		3.66
Macomb[2]	White													1.57		.64						1.20	.09	.59	.15	.02						.17	4.43
Marshall	Missouri	1 04											*	.88	.46	.21					T.	T.		1.66	.09						.11	.15	4.62
Marshfield[2]	White													.93		.52						1.92		.09	1.41	.06						.35	5.28
Mountain Grove	do												.05	1.04		.63						1.02		.53	.27		T.				.08	.32	3.94
Mount Vernon	Neosho	.32											.43	1 20		.54						.27		1.90	.05						.34		5.05
Neosho	do	1.16											.31	.82		.73						.28	.17	2.31	.02						.15	.12	6.07
Nevada	Osage	.14	.09										2.07	.12		.11					.05		.05	1.39	T.						.08		4.10
Osceola[2]	do	.28												2.00		.23						.05		1.47	.05							.15	4.23
Ozark Beach[2]	White	.34												1.01		.55						.70			.57							.18	3.35

Continued on next page

Daily Precipitation for October 1943 Continued from preceding page

Stations	Drainage-basins	Day of month																													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Pierce City[2]	Neosho	.50	.02										.16	1.30		.70						.23		92	1.63						.40	5.86
Pineview Lookout[2]	White																																
Pleasant Hill[2]	Osage	.81	.42										.01	1.02		.18						.10		1.42	.18	.02					.36	4.52
Roby	Gasconado												.04	.75		.50						.65		.50	.68		T.				.15	3.27
St. Thomas[2], 2¼mi SW	Osage													.88		.29						.84		*	1.67						.47	4.15
Sedalia	Missouri	.88											.75	1.20		1.52						.09		1.32	.08						.47	.66	6.67
Sellgman	Neosho	.65											.21	2.00		.55					.60			.83	T.						.05		4.89
Seymour	White	.02											.08	1.00		.43						1.29		.66	.14	.02					.26	3.90
Shell Knob[2]...3 mi. SE	do																					1.34			.75						.03	
Siloam Sprgs Lookout[2]	do													1.38		.47									*	.90					.74	3.49
Springfield[1‡]	do	T.											1.19	T	.21	.25					.64	T.	T.	1.29	.02	T.	T.				.39	3.99
Stover[2]	Missouri													1.39								.57		1.18	.20						.78	4.12
Sugar Camp Lookout[2]	White																																
Sweet Springs	Missouri	.68	.02										.90	.87		.20					.04	.06		1.28	.08						.09		3.82
Tecumseh[2]...¼ mi. W	White	.32												1.87									.12	.20	.32							.12	2.95
Topaz[2]	do																																
Vanzant[2]....3¾ mi. SE	do													1.01		.58						.35			.72								2.66
Warrensburg	Missouri	1.14											.59	.44		.20					.08			1.52	.12						.40		4.49
Warsaw[2].....(A)	Osage	.40	.08										.60	1.60		.35					T.	.27		1.60	.07	T.					.42		4.79
Warsaw[2].....(B)	do	*	.04											1.62		.35						.09		1.52	.13						.41		4.16
Wasola	White												.11	.87		.55						.60		.43	.31						.75	.25	3.87
Waverly[2]	Missouri	1.00	.24											.52		.14						.07		.96	.24							.18	3.35
Southeastern Division																																	
Advance[4]	St. Francis												.14	1.42		.09						.02		.03	.65		.04				.04	.02	2.45
Alton.....10 miles SE	Black													1.06		.19						.08			1.25							.12	2.70
Annapolis	St. Francis													.75		.22						.32		.15	1.00							.23	2.67
Annapolis[2] 4½ mi. NW	do	T.												.52	.08	.20	.02					.31		T.	.99	.34	T.					.30	2.76
Arcadia[2]	do													*	.65	*	.35					*	.25	1.00	*	1.70							3.95
Banner[2]	Black													.53	.16	.20	.08					.29		.61	.84	.34	T.					.55	3.00
Belleview	Meramec													.56		.16						.20		.60		1.20						.60	3.32
Birch Tree	Black												T.	1.13		.33						.05		.18	.47							.19	2.35
Bragg City	St. Francis																																
Bunker[2]... 4 miles NW	Black													.67	.17	.24	.10					.23		.03	.83	.17	.06					.82	3.32
Campbell	St. Francis													1.27		.05						.11		T.	.35	T	.04	.03				.15	2.00
Cape Girardeau[2]	Mississippi													.65	.15		.12					.12	T.		.21	.24		.04				.06	1.59
Caruthersville[2]	do													.65	.10		T					.27			.15	.70		.10					1.97
Centerville[2]	Black													.52	.10	.23	.01					.33		.01	1.04	.11	.04					.52	2.94
Crane Mountain[2]	St. Francis													.61	.15	.22	.01					.35			.84	.25	.02	T.				.51	2.96
Crystal City	Mississippi													.59		.03						.27		*	1.07		.01					.21	2.18
Deering[2]	St. Francis													.52	.06		.03					.31			.21	.18		.05					1.36
Dexter[2]	do													.88	.51		.09					.12			.32	.33		.12				.15	2.52
Doniphan	Black													1.65		.15						.12		.17	1.10	.02						.16	3.37
East End[2]	Meramec													.76		.20	.04					.28			.68	.16						1.09	3.21
Eastwood Lookout[2]	Black													.72	.03	.22	.05					.12			1.05	.04							2.23
Ellington[2]	do													.40	.10	.30	T.					.20			1.00		.20						2.20
Ellsinore Lookout[2]	do													1.75	.10	.20						.12			.35		.06	.10				.80	3.48
Farmington	St. Francis												T.	.46		.32						.39		.12	1.12		.04				.06	.40	2.91
Fisk[2]	do													.96	.89		.06					.07	.06		.61	.87						.05	3.07
Fredericktown[2]	do													.40	.30	T.	.25					.35			.20	1.05		.07				.12	2.74
Gerald[2]	Meramec	.08												.10	.72							1.21		1.00	.82							1.15	5.08
Goodland	Black													.80		.28						.15		.28	.58	.05						.78	2.92
Greenville	St. Francis													1.25		.16						.16		.05	1.41	T.						.14	3.17
High Lookout	Black													.96		.23						.66		.50	.26							.69	2.10
Jackson	Mississippi													1.27		.25						.16		.05	.54		.02						2.29
Jefferson Barracks	Mississippi																					.27		.09	.66	.02	T.		T.			.30	
Jerome[2]	Gasconade													.55		.30						1.80			.65							.35	3.65
Koshkonong	Black													.90		.21						T.		.07	1.20							.23	2.61
Leeper[2]	do													.69		.24	.08				.10				.90	.23	.01					.17	2.42
Licking	Gasconade													1.27		.50						.57		.55	.50							.23	3.62
Macedonia Lookout[2]	Black													1.90	.09	.09	.05					.06			1.32	.05	.02					.17	2.85
Malden[4]	Mississippi												.13	1.03		.04						.09		.08	.44	T.	.04	T.			.18	.03	2.06
Marble Hill	do													2.31		.17						.50		.05	.78		.07					.12	4.00
Meramec Park[2]	Meramec	T.												.58	.04	.19	.07					.39		.04	1.24	.08	T.	T				.42	3.05
Morehouse	Mississippi													.77		.06						.11		.03	.32		.02	.11				.15	1.57
Moselle[2]	Meramec																								.90							.15	
New Madrid[2]	Mississippi													.71	.02		.05					.28	.01		.10	.43		.52				.04	2.16
Owensville[2]	Gasconade												.32	.08	.33							.98		*	1.40	.42						.28	3.81
Pacific[2]	Meramec													*	.49	*	.55					1.49			*	.70						.20	3.43
Parma[2]	St. Francis													.50	.33		.05					.18			.15	.37		.10				.15	1.83
Perryville[2]	Mississippi													.37	.87						.34				*	1.34		.15				.03	3.10
Pilot Knob[2]... 2 mi. NE	St. Francis													.50	.09	.24					.38		.02	.99	.21	.14					.62	3.19
Poplar Bluff[2]....(A)	Black													2.64	.29		.01					T.			.80	T					T.	3.74
Poplar Bluff[2]....(B)	do													2.66	.29	T	.09					.03			.74	.16		T.			.09	4.06
Reynolds[2]	do													.48	.15	.27						.19			.95	.13						.72	2.89
Richwoods[2]	Meramec													.81								.20			1.11	T							2.12
Rolla[2]	do													.58		.22						1.37		.25	.70	T.						.52	3.65
Round Spring[2]	Black													.83		.43									1.38							1.05	3.69
St. Louis City Office[1‡]	Mississippi												.09	.48		.12						.43		.11	.77	T.	.02				.20	T.	2.22
Airport[4]	Missouri												.16	.30		.20						.46		.56	.62	T.	T.				.41	T.	2.71
St. Louis Univ.[3‡]	Mississippi												.15	.69		.14						.35		.22	.85	.02	.04				.15	.02	2.63
Washington Univ.[2]	do													.62	.24	.13	.02					.30		.08	.82	.25						.25	2.71
Salem	Meramec													1.53		.47						.43		.48	.63	T.						.20	3.74
Sikeston[2]	Mississippi													.44	.10		T.					.13			.26	.12		.11				.16	1.32
Summersville	Black												.04	1.29		.38						.20	.04		.65						1.10	3.70
Union	Meramec												.05	.41		.25						.69		.62	.75							2.77
Valley Park[2]	do													.48	.14	.12	T					.34		.03	.50	.29		T.				.23	2.13
Van Buren	Black													.72		.21								.20	.75								1.88
Vichy[4]	Meramec												.17	.03	T.	.22					.40	26	T.	.75	.64	T	T				.64		3.11
Wappapello Dam[2]	St. Francis													2.13	.27	.04	.06					.08			.78	.24	T					.03	3.63
Weingarten	Mississippi													.42								.36		.10	1.02			.20					2.10
West Plains[4]	Black	T.											1.24	.28		.35						.04		.57	.22	T.	T.				.01		2.71
Wilderness[2]	do													1.20		.50						.65			1.00							.30	3.65
Williamsville[2]	do													1.05	.29		.13					.12			1.35	.21	.01	.01				.08	3.25
Willow Springs[2]	White	.02												.99	.07	.50						.22			.58							1.30	3.68
Winona Ranger Sta.[2]	Black	.07												.81	.09	.27	.01					.06			.90	.18	.02					.05	2.46
Zalma.....3½ miles S	Mississippi													2.36		.14						.09		.02	1.00	T.	.01	.02				.13	3.77
Cairo, Ill [1‡]	do													.80		.03						.18		.02	.36	.01	.09	.01			.02	.09	1.61

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for October 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	71	74	74	68	70	75	78	76	79	85	78	65	61	69	46	48	62	75	81	72	68	76	52	60	50	48	54	64	71	72	60	67.2
	Minimum	61	57	46	45	41	40	41	45	46	47	50	51	55	41	33	30	29	29	40	55	50	40	40	50	41	39	32	30	30	43	41	42.5
Chillicothe §§	Maximum	74	73	72	65	70	74	76	71	84	86	81	65	60	61	65	50	65	76	80	69	69	77	53	61	49	48	55	66	68	63	59	67.3
	Minimum	62	47	43	42	38	38	41	44	48	49	51	51	54	41	30	28	28	29	41	53	47	40	40	47	38	38	30	30	32	42	36	41.2
Columbia	Maximum	73	73	70	66	67	72	75	75	78	82	79	67	63	68	44	50	61	76	82	77	68	73	60	56	50	49	56	63	70	72	64	67.1
	Minimum	64	53	48	45	44	42	43	44	45	49	55	58	45	40	36	32	29	44	58	61	45	40	50	47	43	41	35	31	47	54	44	45.5
Fayette	Maximum	74	71	69	67	66	72	75	75	79	82	79	69	63	70	60	49	61	75	80	75	68	73	67	57	59	48	55	63	68	73	63	67.9
	Minimum	60	57	44	42	41	42	42	45	44	47	48	52	52	39	32	30	27	38	51	59	49	37	49	48	40	38	32	28	43	48	40	43.4
Grant City	Maximum	71	71	72	66	69	74	77	77	81	84	79	69	64	60	48	53	66	76	80	77	70	76	60	64	46	53	57	67	69	54	58	67.4
	Minimum	59	47	39	39	35	36	38	39	40	41	50	58	46	36	24	22	26	37	53	55	38	34	50	43	36	37	22	28	35	45	32	39.4
Hannibal	Maximum	77	70	68	64	68	73	75	77	79	83	80	71	64	66	44	48	58	74	80	80	67	70	57	52	48	48	53	61	72	58	64	66.1
	Minimum	61	52	43	41	39	44	48	47	49	51	55	57	46	40	31	32	27	40	47	53	50	41	48	43	41	38	31	33	41	49	42	43.9
Kansas City Airport	Maximum	69	70	69	66	65	69	74	75	82	85	80	71	64	66	50	52	68	76	79	76	71	72	54	62	49	48	55	68	77	70	61	67.5
	Minimum	62	54	48	47	42	40	42	43	51	59	60	58	51	40	32	29	35	46	61	56	49	42	50	43	39	37	34	32	49	47	40	45.7
Kirksville	Maximum	74	72	70	65	68	74	76	77	82	84	78	70	62	64	52	51	62	73	80	75	68	74	65	54	51	50	55	68	70	64	60	67.4
	Minimum	61	48	43	39	38	44	48	48	49	52	52	58	50	41	30	31	29	46	42	57	50	42	50	47	39	37	30	34	42	49	38	44.0
Lawson	Maximum	72	72	74	74	67	72	72	72	83	85	80	70	63	67	50	59	67	78	80	74	71	72	62	65	53	50	55	62	72	69	65	68.6
	Minimum	60	48	40	39	36	42	42	43	46	52	52	56	51	40	27	23	30	42	55	58	42	54	46	42	36	36	28	32	42	48	33	42.6
Louisiana §§	Maximum	78	72	68	65	67	73	75	76	79	82	81	72	67	44	58	60	48	76	70	82	68	74	72	65	54	55	54	62	72	67	65	67.8
	Minimum	52	57	39	39	31	31	36	39	39	40	42	54	56	36	34	22	25	25	25	42	43	26	25	25	34	32	35	27	30	37	39	36.0
Macon §§	Maximum	77	72	70	67	70	75	78	76	80	83	79	68	55	65	44	52	61	76	81	73	69	76	51	55	49	50	56	63	72	64	63	66.8
	Minimum	60	56	43	39	39	39	43	48	49	49	55	54	54	41	31	31	29	31	40	48	52	42	46	48	40	37	31	31	33	45	40	42.7
Maryville	Maximum	69	68	68	63	63	69	72	73	80	81	77	70	62	56	48	49	72	73	84	78	68	73	64	62	56	50	52	64	66	62	58	66.0
	Minimum	60	44	44	44	40	41	46	45	41	45	48	57	48	39	24	22	28	39	44	60	38	39	49	45	32	34	25	28	40	47	29	40.8
Mexico §§	Maximum	75	74	75	66	68	73	77	77	82	85	85	70	60	68	44	51	63	79	84	80	71	75	57	54	50	50	56	66	73	73	66	68.6
	Minimum	60	55	42	39	36	39	39	44	45	46	49	55	56	39	33	32	27	29	43	56	54	28	31	47	42	39	32	29	30	44	43	41.4
Moberly §§	Maximum	71	72	70	66	68	74	76	75	79	82	79	68	57	68	45	50	61	75	81	72	68	73	51	56	56	50	55	63	72	67	63	66.5
	Minimum	61	57	43	39	37	42	46	43	44	49	54	54	54	39	31	32	27	29	44	58	51	41	43	48	41	39	31	30	32	47	40	42.8
Oregon	Maximum	71	72	70	66	67	71	75	76	85	87	81	75	65	64	51	54	70	77	83	80	71	73	66	63	55	56	57	68	70	62	59	69.0
	Minimum	60	45	45	44	40	42	43	44	48	52	55	57	49	42	25	23	33	44	56	63	40	47	49	46	34	30	29	34	44	48	32	43.3
St. Charles §§	Maximum	80	71	71	67	68	73	78	78	80	85	81	73	67	67	45	51	61	80	84	87	72	72	52	51	50	48	64	78	78	74	69	69.5
	Minimum	60	60	45	45	39	40	44	49	47	45	47	55	61	41	38	35	30	39	44	51	58	38	38	48	45	41	36	33	42	42	43	44.5
St. Joseph	Maximum	72	72	71	67	67	71	73	75	82	85	79	68	62	62	51	52	68	76	80	79	70	74	57	63	47	53	55	67	70	60	58	67.3
	Minimum	61	51	46	47	39	39	42	44	49	57	60	56	50	36	30	29	35	47	56	55	46	45	49	42	38	36	31	35	46	44	35	44.4
Trenton	Maximum	75	75	70	68	69	73	78	77	75	86	80	75	63	65	51	51	66	74	80	74	69	75	64	62	56	50	52	65	71	64	60	68.2
	Minimum	63	46	44	42	38	41	44	41	47	48	50	59	51	39	29	26	26	36	52	60	46	36	50	48	36	39	28	27	35	50	36	42.4
Unionville §§	Maximum	76	75	75	70	76	80	85	82	85	85	84	82	60	64	47	54	67	78	85	78	75	78	60	60	48	53	60	65	78	57	60	70.4
	Minimum	60	44	42	38	37	37	44	45	45	50	49	49	53	38	26	25	25	25	38	32	46	40	38	46	37	37	28	27	29	38	35	38.8
Warrenton	Maximum	..	71	68	64	68	71	71	77	71	82	80	70	68	68	48	48	60	78	82	82	75	74	61	51	48	47	55	61	75	74	69	[a]67.2
	Minimum	..	57	43	40	36	42	48	50	50	50	49	59	52	42	36	33	27	46	52	59	56	44	49	46	42	39	36	31	42	55	48	[a]45.3
Keokuk, Iowa	Maximum	77	70	68	65	69	74	75	76	81	82	78	72	65	63	42	46	58	72	78	78	65	68	56	52	48	49	53	61	67	56	62	65.4
	Minimum	63	52	49	46	44	45	49	48	53	52	59	60	48	41	33	35	29	45	50	57	48	42	52	45	44	41	34	33	45	50	45	46.4
Southwestern Division																																	
Clinton	Maximum	74	72	70	67	66	70	75	76	80	85	81	67	64	73	49	53	62	78	80	72	72	73	54	61	52	49	57	67	79	74	63	68.2
	Minimum	61	52	42	46	41	40	40	44	45	49	52	59	45	41	33	28	32	43	55	58	46	41	48	45	39	36	31	31	45	50	40	43.8
Eldon §§	Maximum	78	71	68	67	65	71	75	77	79	83	80	69	59	72	47	51	65	81	82	78	70	76	54	67	47	47	56	66	81	73	64	68.4
	Minimum	60	62	46	45	40	39	40	46	49	49	52	50	57	45	38	32	28	28	40	52	51	44	43	48	44	40	34	33	32	48	44	43.8
Harrisonville §§	Maximum	67	71	70	67	66	69	74	77	82	85	79	65	65	71	54	54	67	77	78	71	73	73	50	63	55	51	57	67	75	73	73	68.4
	Minimum	60	56	45	44	41	42	44	48	47	49	52	57	61	42	29	25	26	34	47	59	42	43	48	47	37	38	30	31	35	46	43	43.5
Jefferson City §§	Maximum	80	73	70	68	66	72	77	78	78	83	81	68	59	72	45	51	68	78	83	79	70	74	51	58	50	47	57	65	77	74	65	68.3
	Minimum	52	54	47	45	39	39	39	44	47	47	49	51	57	41	26	33	29	30	38	45	53	41	41	48	44	41	35	34	34	46	45	42.7
Joplin	Maximum	72	72	70	69	65	69	72	74	77	80	78	70	65	78	52	52	67	79	78	71	72	68	62	59	50	47	55	69	80	73	70	68.2
	Minimum	64	69	50	48	46	44	48	49	50	55	59	60	52	47	37	39	34	37	52	65	66	51	51	51	50	41	39	34	37	56	59	48
Lamar §§	Maximum	70	70	70	69	65	69	75	74	78	82	79	66	65	76	52	52	67	78	77	70	71	66	56	57	48	50	58	66	80	70	71	67.6
	Minimum	60	59	46	44	42	38	38	40	40	42	48	53	52	42	37	28	28	32	47	60	44	43	44	47	37	37	30	29	30	47	41	42.1
Lebanon §§	Maximum	89	72	69	66	65	69	74	75	78	83	80	73	61	76	41	51	67	80	80	81	69	73	54	54	48	44	56	65	79	71	71	68.2
	Minimum	59	59	45	43	37	34	37	39	44	46	52	56	54	41	37	28	28	28	47	50	51	40	43	44	40	38	33	31	32	52	44	42.3
Lexington §§	Maximum	67	75	75	70	71	75	77	77	83	85	80	64	65	71	49	53	67	78	81	70	73	75	53	62	54	49	57	66	78	71	63	68.8
	Minimum	62	53	45	44	40	41	44	47	49	53	56	57	55	42	30	27	28	37	45	55	47	45	49	49	37	38	31	34	38	49	39	44.1
Marshall	Maximum	69	70	67	65	69	70	72	74	79	82	78	76	76	68	63	57	63	70	82	80	68	74	68	59	51	52	55	65	68	73	63	68.6
	Minimum	62	53	43	43	41	41	43	48	48	56	51	58	48	42	32	28	28	30	54	59	49	42	49	45	39	37	32	35	46	50	38	44.2
Mountain Grove	Maximum	79	73	75	70	69	73	76	77	76	80	80	75	71	73	65	51	64	78	79	78	70	71	65	52	52	47	57	63	77	73	76	69.8
	Minimum	59	58	47	44	37	36	38	41	45	53	54	58	53	44	37	29	29	42	53	56	54	44	45	41	39	38	35	32	42	56	58	45.1
Neosho	Maximum	73	73	71	70	70	70	72	75	78	82	78	74	69	79	76	53	70	80	80	76	72	70	60	58	58	59	62	69	80	76	74	71.2
	Minimum	62	62	47	40	38	35	40	40	41	46	52	58	52	41	43	27	32	42	62	54	43	39	50	50	41	39	30	29	50	65	41	44.9
Nevada	Maximum	72	74	72	71	69	72	76	76	79	84	80	75	67	79	67	55	70	80	79	75	74	73	57	62	52	50	58	68	80	72	68	70.5
	Minimum	64	60	47	47	42	40	40	41	44	47	52	57	53	42	34	29	33	48	54	60	47	45	48	50	40	39	33	32	50	60	40	45.7
Sedalia	Maximum	70	71	69	66	65	70	75	76	80	83	80	76	64	73	65	50	66	78	80	79	78	73	68	58	57	47	55	65	79	78	64	69.6
	Minimum	62	60	45	45	39	37	43	45	47	53	55	57	53	40	33	27	30	46	56	61	46	46	48	48	39	38	30	33	50	50	40	45.2
Springfield	Maximum	77	72	70	66	65	69	72	72	75	78	78	72	63	72	48	49	64	79	77	75	69	67	59	54	48	46	55	64	80	71	73	67.1
	Minimum	60	51	47	46	39	38	43	47	44	47	53	56	44	40	33	28	30	45	56	58	46	44	47	44	40	36	32	30	45	55	44	44.1
Warrensburg	Maximum	68	72	..	72	71	71	73	75	80	83	79	75	63	70	61	47	62	75	79	76	68	74	64	57	58	49	52	63	77	76	60	[a]68.3
	Minimum	63	57	..	43	41	45	47	50	49	54	56	51	53	42	33	28	33	46	58	61	47	47	43	48	39	39	32	37	48	54	39	[a]46.1
Southeastern Division																																	
Arcadia §§	Maximum	82	65	77	71	71	74	78	81	81	84	81	76	65	75	55	65	62	79	84	83	77	76	65	55	52	47	59	68	80	78	73	71.6
	Minimum	48	51	40	40	31	31	31	35	35	35	33	35	50	33	34	30	22	32	35	39	51	30	40	45	39	36	32	24	35	35	46	36.5
Birch Tree	Maximum	82	73	74	69	68	72	75	78	79	83	82	74	72	74	65	53	64	78	82	81	74	75	64	54	50	49	58	64	78	73	72	70.6
	Minimum	59	53	52	45	38	39	37	44	40	37	42	61	54	35	39	30	24	34	45	54	53	34	48	44	38	38	37	26	34	55	58	42.8
Caruthersville §§	Maximum	82	76	69	67	69	72	73	77	77	80	82	79	71	70	53	54	58	74	81	80	88	72	70	55	52	48	56	64	71	76	76	70.1
	Minimum	60	59	57	52	47	52	46	46	46	46	50	52	62	47	48	33	33	33	42	50	54	46	44	50	44	43	42	34	35	45	60	47.0
Crystal City	Maximum	85	75	73	68	68	73	78	78	79	83	83	75	73	70	60	50	57	80	84	86	73	78	57	53	51	46	53	64	82	80	74	70.5
	Minimum	53	56	45	41	31	30	37	38	37	36	39	50	54	35	37	30	23	29	40	45	49	30	44	46	42	39	30	27	32	48	45	39.3
Doniphan	Maximum	83	78	75	76	70	78	77	84	81	85	85	78	75	75	62	55	65	80	83	82	83	80	65	60	62	57	62	72	74	76	79	74.1
	Minimum	53	57	55	46	28	41	35	41	44	39	42	52	56	37	42	31	25	34	42	50	55	34	57	50	39	42	39	28	35	58	52	43.2
Farmington	Maximum	82	70	70	64	65	70	75	76	77	82	80	75	71	70	60	49	60	77	82	81	72	73	62	52	49	46	54	64	77	73	76	68.8
	Minimum	54	54	43	40	36	34	37	45	40	38	47	53	49	36	34	30	23	37	47	54	52	33	47	43	42	36	32	29	40	53	52	41.6
Jackson	Maximum	83	79	72	70	66	70	75	74	76	80	79	78	77	69	65	49	55	72	78	78	78	73	68	56	50	48	54	60	73	74	78	69.6
	Minimum	57	59	46	45	42	41	40	45	47	43	40	46	60	42	38	36	28	37	45	55	58	37	49	48	43	40	37	30	39	53	56	44.6
Poplar Bluff	Maximum	77	77	77	70	70	74	80	83	82	82	86	80	75	75	67	57	65	76	83	81	80	77	62	58	53	50	60	66	77	77	72	72.5
	Minimum	53	60	53	50	41	47	43	48	46	43	44	51	60	40	42	32	27	35	42	46	54	38	45	50	41	42	39	30	37	50	50	44.5
Rolla §§	Maximum	80	71	70	66	65	68	74	75	82	82	80	72	60	73	45	52	63	80	83	81	70	74	53	52	48	47	56	65	82	73	72	68.2
	Minimum	58	60	47	44	39	41	45	54	54	50	50	54	52	44	37	32	28	41	50	57	55	42	48	47	44	38	34	33	40	54	48	45.8
St. Louis	Maximum	81	70	70	67	68	73	76	75	76	82	78	74	67	67	49	47	55	77	80	84	69	71	59	52	48	47	51	60	77	75	72	67.6
	Minimum	65	57	50	47	45	51	54	56	54	56	55	61	52	49	37	36	34	45	57	57	57	50	52	45	43	41	37	39	49	58	58	49.9
Salem §§	Maximum	79	72	70	65	66	70	75	76	77	82	80	72	69	73	63	50	67	79	83	83	72	74	63	51	49	46	55	65	80	69	73	69.3
	Minimum	55	57	45	52	34	33	35	41	41	42	51	57	51	36	35	30	28	40	46	58	55	35	49	48	41	39	35	28	41	55	49	43.3
Sikeston §§	Maximum	86	76	73	68	70	73	77	82	83	85	84	80	70	75	47	55	63	76	84	83	82	74	66	54	53	47	59	66	77	76	78	71.7
	Minimum	57	57	52	46	43	44	40	42	45	45	48	50	60	44	45	32	27	29	39	47	53	39	39	49	42	40	37	32	33	41	55	43.6
Union	Maximum	82	78	86	71	69	71	76	79	80	88	87	80	76	71	68	64	56	81	89	90	85	75	72	57	56	52	56	67	84	81	78	74.5
	Minimum	68	52	50	40	41	33	64	40	62	71	69	66	56	40	38	28	33	34	44	50	47	33	50	49	44	42	26	30	40	50	50	47.1
West Plains	Maximum	82	73	76	70	69	74	75	80	80	84	83	75	64	75	55	54	65	79	80	80	76	73	61	55	50	49	60	65	77	73	79	70.7
	Minimum	59	60	52	41	37	41	37	45	40	40	43	60	43	38	32	29	27	35	42	51	42	35	48	45	40	40	35	28	35	47	48	41.8
Cairo, Ill.	Maximum	83	76	73	66	68	71	76	78	78	79	79	78	70	70	55	49	58	74	79	80	77	71	64	58	50	46	54	61	73	75	76	69.2
	Minimum	60	61	55	49	46	47	49	51	54	51	53	63	52	48	40	38	32	43	52	57	56	45	52	47	45	42	40	37	47	60	60	49.4

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record to the preceding day, on which it almost always occurs. ¶ Estimated. || Partially estimated. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII NOVEMBER 1943 No. 11

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The month was both colder and drier than the 56-year November average, but a fine type of open, early-winter weather prevailed, which was very favorable for all outdoor activities and for livestock. Sunshine ranged from 59 to 74 per cent of the possible amount, at the six first-order Weather Bureau stations keeping sunshine records. There were no severe or damaging storms, except for a small, local tornado in McDonald County, on the 1st. The ground was bare throughout the month, except from the 8th to 10th, when, following a rather general snow on the 7-8th, a light snow cover remained unmelted for periods ranging from one to three days, principally in the Northern Division.

It was the coldest November since 1940 and averaged 5.2° colder than last November. A cold wave, with a sharp drop in temperature of approximately 30° in about 24 hours, occurred on the 6-7th. This cold period continued until the 17th; a marked rise in temperature occurred on the 18th and a period of warm weather prevailed from the latter date through the 21st. The highest temperatures for the month occurred on the 18th, at most stations, while the lowest temperatures occurred, generally on the 16th, 17th, or 30th. Average temperatures, and departures from normal, by divisions were as follows: Northern Division, 39.2°, —3.1°; Southwestern Division, 44.2°, —1.5°; Southeastern Division, 44.6°, —1.5°; for the State, 42.7°, —1.7°.

Precipitation was decidedly deficient during November and the drought situation in the south-central section of the State continued critical throughout the month. Water supply was getting low in some other sections at the end of the month. Practically all of the November precipitation fell during the first eight days of the month, the bulk of the monthly total being received on the 6-7th. There was practically no precipitation the last two to three weeks. One rather general snowstorm occurred on the 7-8th. The snow drifted quite badly in northern and central sections. Light sleet fell at a number of stations, on various dates. Average precipitation, and departures from normal, by divisions were as follows: Northern Division, 0.97 inch, —1.24; Southwestern Division, 0.71 inch, —1.90; Southeastern Division, 1.12 inches, —2.09; and for the State as a whole, 0.93 inch, —1.75. The State monthly average precipitation was only 35 per cent of the 56-year November normal and made this the driest November since 1933; also it was the fifth driest month, of this name, since State-wide records were started in 1888.

While the fine type of open weather was highly favorable for outdoor work and for livestock, it was an unfavorable month for fall-sown small grains, and these made only fair progress, because of the moisture deficiency. There was not enough growth to permit grazing, as a rule. However, the lack of snow-cover, and the open weather, permitted extensive foraging by livestock and much of the stored feed, of which there was a serious shortage, was thus conserved. There was very little freeze in the ground during most of the month and plowing was possible much of the time, especially in the southern sections. Good progress was made in husking and cribbing of corn and much of this work was completed during the month. Some soft corn was reported in several sections of the State. More moisture was needed to replenish the dwindling water supply and to stimulate the growth of small grains, at the close of the month.—M. R. W.

(Continued on page 63)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity $			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia..	30.65*	23	29.51*	6	7.6	21	sw.	8	84*	54*	61*	70	702
Kan. City Airp't.	30.65	24	29.65	6	9.8	34	nw.	8	81	52	57	65	698
St. Joseph.....	30.65*	24	29.68*	6	8.4	25	nw.	8	84*	60*	67*	59	756
St. Louis	30.67*	23	29.57*	6	11.5	30	sw.	8	70	51	64*	66	637
Springfield	30.60	24	29.50	6	10.1	30	w.	8	84	53	62	74	641
Cairo, Ill.....	30.58	24	29.65	6	8.4	22	ne.	21	79	50	..	67	569
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. $ C. S. T.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888.....	41.6	87	15	3.39	2.57	2.95	4.64	....	7	..	..	..
1889.....	39.9	76	6	3.52	3.16	3.12	4.29	0.6	7	..	..	..
1890.....	46.5	80	14	2.38	1.96	2.48	2.70	T.	5	..	..	..
1891.....	39.6	82	— 7	4.14	2.67	3.24	6.51	....	8	..	..	..
1892.....	40.1	79	9	2.75	2.17	2.14	3.95	1.0	6	11	7	12
1893.....	40.9	79	— 1	1.70	1.32	1.60	2.17	0.3	4	14	9	7
1894.....	41.0	80	3	1.56	1.59	1.71	1.39	T.	4	15	9	6
1895.....	41.6	82	— 4	3.60	2.62	3.42	4.76	3.2	8	10	7	13
1896.....	42.3	82	— 5	2.43	1.47	2.30	3.53	0.2	6	11	7	12
1897.....	43.4	82	— 3	2.63	1.92	2.02	3.96	T.	6	13	8	9
1898.....	39.9	79	— 8	2.32	2.03	2.43	2.50	2.3	6	14	8	8
1899.....	49.5	82	16	2.02	1.38	2.00	2.67	0.2	7	11	9	10
1900.....	43.7	84	7	2.99	1.52	2.71	4.75	0.2	6	15	7	8
1901.....	43.6	84	9	1.48	0.99	1.63	1.82	0.3	4	17	7	6
1902.....	50.1	85	18	3.73	3.05	3.64	4.51	0.4	9	8	9	13
1903.....	40.9	79	2	1.27	1.24	1.09	1.48	1.1	5	13	8	9
1904.....	46.3	83	11	0.22	0.18	0.24	0.24	T.	2	21	5	4
1905.....	45.8	83	2	1.87	2.36	1.35	1.89	T.	6	18	6	6
1906.....	42.5	88	— 3	3.56	2.55	2.68	5.44	5.0	8	12	6	12
1907.....	43.8	88	11	2.24	1.39	1.91	3.43	T.	4	19	4	7
1908.....	47.6	87	9	3.90	2.70	4.67	4.33	0.2	8	15	7	8
1909.....	53.6	87	11	4.32	3.92	4.98	4.05	0.4	8	12	7	11
1910.....	42.0	83	11	0.35	0.31	0.22	0.52	0.1	3	15	8	7
1911.....	39.1	83	— 3	2.63	2.07	2.78	3.04	1.1	7	13	6	11
1912.....	45.9	85	12	1.50	1.46	1.31	1.73	0.1	3	20	5	5
1913.....	51.7	80	11	2.71	2.61	2.69	2.83	T.	7	10	8	12
1914.....	48.6	89	2	0.69	0.36	0.64	1.08	0.1	3	19	6	5
1915.....	49.5	87	12	2.83	2.30	2.78	3.42	0.1	5	16	7	7
1916.....	46.9	85	3	2.46	2.25	2.63	2.51	0.1	4	19	4	7
1917.....	46.1	80	8	1.23	0.10	1.61	1.98	T.	3	14	5	11
1918.....	44.9	85	12	3.26	2.85	4.14	2.78	1.2	6	15	4	11
1919.....	42.2	78	2	3.57	3.06	3.19	4.43	1.0	6	15	5	10
1920.....	40.9	82	6	1.06	1.64	0.82	0.73	T.	6	12	6	12
1921.....	45.6	84	10	3.11	0.89	1.59	6.85	0.4	5	13	7	10
1922.....	47.8	84	15	3.68	3.70	3.97	3.38	T.	7	16	6	8
1923.....	45.1	79	14	2.25	1.39	2.79	2.57	3.0	6	15	6	9
1924.....	46.7	88	4	1.78	1.16	2.08	2.09	0.5	4	15	8	7
1925.....	42.8	80	— 2	3.05	1.74	2.78	4.63	2.0	6	16	6	8
1926.....	39.6	78	0	3.01	2.13	2.86	4.04	4.3	7	11	7	12
1927.....	46.8	89	12	3.66	2.07	3.78	5.13	0.9	7	6	9	15
1928.....	44.6	79	9	5.02	5.91	4.88	4.26	0.5	10	13	4	13
1929.....	39.0	78	— 8	1.46	1.40	1.00	1.98	2.1	6	11	8	11
1930.....	45.8	83	8	2.93	2.94	3.28	2.56	T.	5	18	5	7
1931.....	52.2	87	17	5.42	5.58	5.32	5.35	1.4	11	10	5	15
1932.....	39.5	75	— 9	1.87	1.55	2.11	1.95	4.5	5	16	5	9
1933.....	45.9	83	7	0.93	0.47	0.96	1.37	0.2	4	16	6	8
1934.....	48.5	84	16	5.71	5.62	5.84	5.67	4.6	10	14	5	11
1935.....	42.2	82	10	4.16	4.52	4.69	3.28	0.1	10	8	4	18
1936.....	42.2	79	0	1.89	1.15	2.04	2.49	1.4	3	21	4	5
1937.....	41.0	90	— 7	1.85	1.58	1.87	2.11	4.1	7	15	6	9
1938.....	45.9	89	2	4.28	4.01	4.64	4.20	1.3	6	17	5	8
1939.....	43.5	78	12	2.58	2.36	2.97	2.42	0.0	7	13	6	11
1940.....	42.2	83	— 2	3.46	2.77	3.31	4.29	1.2	9	12	7	11
1941.....	45.5	85	10	2.29	2.00	2.32	2.55	1.9	7	14	5	11
1942.....	47.9	82	6	4.27	3.81	3.42	5.58	0.8	11	11	6	13
1943.....	42.7	81	9	0.93	0.97	0.71	1.12	0.4	3	17	7	6
Period.....	44.4	90	— 9	2.68	2.21	2.61	3.21	1.0	6	14	6	10

Climatological Data for November 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	37.6	.....	70	18	10	16	14	0.61	−1.10	0.47	6	1.0	4	18	4	8	s.	Curtis E. Grace
Bethany	Harrison	916	48	37.9	− 4.9	70	18	12	16	50	0.74	−1.30	0.56	6	1.8	2	16	8	6	nw.	A. S. Cumming
Brookfield	Linn	767	2	39.1	.....	72	18	14	16	2	0.20	.....	0.20	6	T.	1	15	10	5	nw.	E. W. Patrick
Brunswick	Chariton	652	62	39.3	− 2.3	72	18	16	17	64	0.29	−1.90	0.23	7	1.0	2	20	3	7	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	5	38.4	.....	68	18	15	16	13	1.36	−1.35	1.33	7	0.3	3	12	8	10	nw.	Lockmaster
Chillicothe	Livingston	779	34	38.5	− 2.8	71	19	15	16	37	0.15	−1.97	0.15	7	0	1	28	1	1	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	41.0	− 2.4	72	18	14	16	34	1.34	−0.64	1.15	6	1.0	4	14	6	10	nw.	Dr. A J. Bradsher
Columbia	Boone	740	53	41.6	− 2.5	77	18	18	16	53	1.52	−0.68	1.46	6	0.4	4	13	9	8	nw.	U. S. Weather Bureau
Conception	Nodaway	980	54	37.8	− 3.6	67	18	12	16	59	0.60	−1.14	0.52	6	0.5	3	10	10	10	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	37.8	− 4.0	72	18	12	16	40	0.41	−1.56	0.29	6	2.0	2	6	18	6	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	12	40.7	− 2.7	77	18	17	11†	12	0.97	−1.85	0.70	7	0	3	13	12	5	n.	John Dowell
Fayette	Howard	760	63	41.2	− 1.0	73	18	18	11	60	1.80	−0.30	1.63	6	1.2	4	17	4	9	nw.	Irvin E. Schnell
Fulton	Callaway	818	55	40.4	− 3.8	75	18	18	17	51	1.29	−1.02	0.73	6	1.0	5	21	3	6	sw.	Frank E. Hillgartner
Grant City	Worth	1,134	39	37.1	− 4.8	70	18	9	16	51	0.75	−1.10	0.51	6	1.5¶	3	10	9	11	nw.	Howard Rybolt
Hannibal	Marion	759	51	38.2	− 3.9	72	18	12	16	59	1.48	−0.58	1.46	6	T.	2	15	5	10	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	41.7	− 2.0	73	18	20	16	54	0.20	−2.02	0.13	6	1.4	2	13	7	10	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	5	43.2	.....	75	18	19	16†	5	0.24	.....	0.16	6	1.6¶	2	17	7	6	nw.	University of Kansas City
Kidder	Caldwell	1,020	51	38.4	− 3.4	70	18	11	16	55	0.44	−1.71	0.30	7	3.2	3	17	3	10	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	38.2	− 2.4	68	18	13	16	61	0.50	−1.62	0.39	6	1.0	3	8	11	11	w.	P. O. Selby
Lawson	Ray	1,070	5	41.4	.....	71	18	18	24	5	0.40	.....	0.20	6†	2.0	2	22	2	6	nw.	Frank G. Gstrein
Louisiana	Pike	469	49	39.2	− 4.9	74	18	17	11	62	2.00	−0.46	1.10	2	T.	2	14	9	7	sw.	Stark Bro's Nurseries
Macon	Macon	875	44	38.0	− 4.8	70	18	17	11	50	0.75	−1.44	0.64	7	1.5	4	12	8	10	nw.	John W. Atwell
Maryville	Nodaway	1,169	53	35.7	− 3.7	66	18	12	16	49	0.53	−1.39	0.26	6	4.0	4	13	4	13	nw.	R. B. Montomery
Memphis	Scotland	787	4	35.7	.....	69	19	12	14†	13	0.81	−2.18	0.76	7	0.5	2	16	6	8	nw.	John W. Alexander
Mexico	Audrain	860	54	40.2	− 2.7	78	18	17	16	65	1.77	−0.46	1.15	7	1.0	7	17	3	10	nw.	Henry D. Llewellyn
Moberly	Randolph	875	6	38.6	.....	72	18	15	16†	6	1.19	.....	1.17	6	0.3	3	13	10	7	sw.	Moberly Water Dept.
New Florence, 1 mi SE	Montgomery	885	0	39.6	.....	75	18	18	29	1	1.65	.....	1.46	6	0.5	4	11	6	13	nw.	U. S. Weather Bureau
Oregon	Holt	1,048	87	39.2	− 1.3	70	18	14	16	87	0.62	−1.36	0.32	6	3.0	2	14	8	8	ne.	Miss Mina Wright
St. Charles	St. Charles	520	55	41.4	− 3.9	77	18	20	11	65	2.19	+0.08	1.87	7	0.2	4	6	17	7	nw.	Martin L. Comann
St. Joseph	Buchanan	957	33	39.8	− 1.7	71	18	20	16	71	0.64	−0.94	0.45	6	1.2	4	14	10	6	nw.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	5	39.6	.....	75	18	16	16	5	1.04	.....	0.95	7	0.5	3	24	3	3	nw.	Lockmaster
Shelbina	Shelby	779	2	38.3	.....	73	18	12	16	50	1.23	−0.82	1.28	6	0.1	1	16	5	9	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	38.8	− 4.7	70	18	13	6	50	1.22	−0.97	....	..	1.0	3	16	6	8	w.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	40	....	.....	..	..	..	..	49	....	.....	....	..	....	..	..	..	..	..	.....
Trenton	Grundy	822	47	39.7	− 2.5	71	18	15	16	48	0.50	−1.62	....	..	1.5	3	11	14	5	n.	W. H. Estes
Unionville	Putnam	1,062	50	36.6	− 3.7	75	18	10	17	50	0.60	−1.60	0.53	7	1.5	3	13	9	8	nw.	C. D. Wilson
Warrenton	Warren	816	61	43.2[2]	0.0	77	18	19	16†	53	2.27	−0.35	1.23	7	....	8	19	4	7	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	71	38.4	− 2.7	69	18	14	16	71	1.45	−0.49	1.40	6	0.5	2	13	5	12	nw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**39.2**	**− 3.1**	**78**	**18**	**9**	**16**	..	**0.97**	**−1.24**	**1.87**	**7**	**1.0**	**3**	**15**	**7**	**8**	**nw.**	
Southwestern Division																					
Anderson††† 1½ mi SW	McDonald	1,000	39	47.2	− 2.1	79	18†	16	30	44	0.40	−2.95	0.20	2	T.	4	20	8	2	w.	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	43.8	− 2.2	74	18	19	16	51	0.25	−2.05	0.25	6	T.	1	18	4	8	sw.	Rolla Brown
Bolivar	Polk	1,071	40	44.6	− 2.2	77	18	20	16	48	0.76	−1.82	0.49	6	0.1	4	19	7	4	sw.	Southwest Baptist College
Boonville	Cooper	650	5	38.2	.....	71	18	15	16†	66	0.72	−1.49	0.68	7	T.	2	18	7	5	w.	Boonville Water Dept.
Carthage	Jasper	962	9	46.6	.....	77	18	21	27	19	0.13	.....	0.10	6	T. ¶	2	15	9	6	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	42.8	− 4.2	74	18	19	16	56	0.58	−1.58	0.52	6	0.6	2	16	11	3	nw.	U. S. Weather Bureau
Eldon	Miller	934	48	41.4	− 3.4	78	18	19	30	44	1.72	−0.73	1.06	7	0	3	18	8	4	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	43.2	.....	77	18	21	30	2	1.12	.....	1.05	7	T. ¶	2	4	21	5	nw.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	41.9	− 0.6	74	18	15	16	68	0.25	−1.89	0.15	9	1.0	2	12	7	11	s.	John H. Patterson
Jefferson City	Cole	557	53	41.8	− 2.3	78	18	20	11†	61	1.63	−0.76	1.36	7	T. ¶	3	16	5	9	e.	Mrs Frank Kliegel
Joplin	Jasper	1,008	21	47.6	− 0.7	77	18	26	9	38	0.14	−2.63	0.14	6	....	1	24	0	6	sw.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	42.8	− 1.7	79	18	21	30	12	1.00	−2.71	0.49	7	T.	3	15	9	6	sw.	W. S. Frame
Lamar	Barton	980	55	43.4	− 2.9	75	18	20	16†	62	0.20	−2.33	0.20	7	0	1	21	5	4	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	42.4	− 3.2	75	18	20	16†	56	0.70	−1.94	0.58	7	0	3	17	4	9	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	41.0	− 3.2	73	18	17	16	59	0.37	−1.75	0.19	7	1.0¶	4	20	6	4	w.	Mrs. Carrie Loomis
Lockwood	Dade	1,078	37	46.5	− 0.5	76	18	22	16	47	1.45	−1.39	1.33	6	T. ¶	3	20	5	5	sw.	Hubert A. Nieman
Marshall	Saline	779	56	42.2	− 3.0	75	18	17	16	53	0.61	−1.71	0.41	6	2.0	2	20	5	5	nw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	46.4	+ 0.5	75	19	21	17	46	0.69	−2.26	0.51	7	T.	4	16	11	3	nw	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	48.2[1]	+ 2.4	77	6†	22	15†	43	0.23	−2.71	....	.....	T. ¶	4	23[d]	2[d]	1[d]	nw.	James C. Williamson
Neosho	Newton	1,011	56	47.8	+ 0.5	77	18†	23	27†	60	0.53	−2.77	0.42	6	T.	3	12	12	6	nw.	U. S. Fisheries Station
Nevada	Vernon	862	50	45.8	+ 1.0	75	18	20	16	51	0.09	−2.06	0.08	6	0.1	2	20	4	6	sw.	Henry Kraft
Ozark Beach	Taney	700	3	45.6	.....	80	18	17	30	18	0.84	−1.93	0.66	7	0	3	10	17	3	s.	A. J. Sharp
Sedalia	Pettis	910	30	43.2	− 0.1	74	18	16	16	32	1.15	−0.47	1.12	6	0.1¶	3	18	6	6	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	42	46.7[c]	− 0.6	74	21	23	9	40	0.93	−2.16	0.34	1†	T. ¶	3	21[e]	3[e]	3[e]	sw.	Floyd E. Fawver
Seymour, 3½ miles NE	Webster	1,642	37	44.6	− 1.3	73	18	19	17†	37	1.43	−1.46	1.00	7	0.5	4	19	4	7	nw.	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	55	43.6	− 1.4	75	18	22	16	55	0.48	−2.31	0.33	6–7	0.2	4	16	7	7	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	40.8[a]	.....	78	25	14	16	2	0.28	.....	0.18	6	1.0¶	4	18[a]	5[a]	6[a]	nw.	H F. Nelson
Warrensburg	Johnson	878	56	42.8	− 2.2	70	18†	18	16	63	0.24	−1.98	0.18	6	0.6	2	20[a]	5[a]	4[a]	nw.	Central Teachers College
Warsaw	Benton	687	42	44.8	− 2.4	78	18	19	30	48	0.95	−1.69	0.95	7	T. ¶	1	20	5	5	nw.	Dora B. Johnson
Wasola	Ozark	1,294	2	47.0	.....	75	6†	21	30	3	0.52	.....	0.48	6	T. ¶	2	21	6	3	n.	A. W. Pinckney
Division means	**and extremes**	.....	..	**44.2**	**− 1.5**	**80**	**18**	**14**	**16**	..	**0.71**	**−1.90**	**1.36**	**7**	**0.2**	**3**	**18**	**7**	**5**	**nw.**	
Southeastern Division																					
Advance, ¼ mile W	Stoddard	354	6	43.3	.....	75	21	16	30	6	1.40	.....	1.06	6	0.2	4	14	7	9	sw.	U. S. Weather Bureau
Arcadia	Iron	926	62	42.4	− 1.5	78	18†	12	30	65	1.32	−1.80	0.71	7	T.	2	18	7	5	e.	Arcadia College
Birch Tree, ½ mile E	Shannon	1,000	48	43.6	− 3.0	76	19	12	30	49	1.16	−2.00	0.75	7	0.2¶	5	18	10	2	nw.	R. C. Moger
Bragg City	Pemiscot	261	1	....	.....	..	..	..	..	12	....	.....	....	..	....	..	..	..	..	..	.....
Campbell	Dunklin	314	17	47.8	+ 0.2	77	19	19	30	17	0.82	−2.88	0.70	7	T.	4	21	6	3	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	47	47.6	− 2.8	81	1	22	30	51	1.45	−2.40	0.65	8	T.	3	18	5	7	n.	Victor T. Malloure
Crystal City	Jefferson	420	9	43.0	− 0.9	80	18	14	11†	9	1.23	−2.19	....	..	T.	6	22	3	5	nw.	Richard K. Ragland
Doniphan	Ripley	314	39	47.3	0.0	79	19†	13	30	39	1.25	−2.17	0.65	6	0	2	24	1	5	n.	Boyce Lackey
Farmington	St. Francois	896	32	44.2	− 0.6	76	18	17	30	46	1.32	−1.50	0.77	7	T.	3	16	5	9	s.	F. M. Karsch
Goodland	Iron	1,000	50	42.2	− 2.5	77	18	10	30	50	0.97	−1.75	0.67	7	T.	3	17	8	5	n.	Claude Volner
Greenville	Wayne	381	31	43.3[f]	− 2.1	79	19	13	30	36	....	.....	....	..	..	..	19[f]	3[f]	2[f]	n.[f]	Beuford Shoemake
Jackson	Cape Girardeau	428	52	45.0	− 1.6	71	1†	19	30	53	1.81	−1.57	1.08	7	0.5	6	17	4	9	n.	John G. Putz
Koshkonong	Oregon	958	42	48.0	− 1.0	78	19	20	30	43	0.56	−2.70	0.53	7	0.3	2	22	5	3	sw.	R. E. Bratcher
Licking	Texas	1,170	6	44.7	.....	75	6†	17	11	6	1.60	.....	1.60	7	T.	1	18	9	3	n.	U. S. Forestry Service

Continued on next page

Climatological Data for November 1943 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																				
Malden....4 miles NNW	Dunklin	292	0	46 6	.....	77	21	19	30	0	0.97	.....	0.63	7	T.	4	13	7	10	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	45.4	+ 0.2	79	19	14	17†	50	0.70	−2.85	0.41	7	0	3	17	8	5	n.	R. A. DeWitt
Poplar Bluff	Butler	339	38	46.5	− 1.2	77	21	16	30	39	0.86	−2.62	0.45	7	T.	2	25	1	4	nc.	Joe Roehm
Rolla	Phelps	1,202	43	43.4	− 1.6	77	18	19	30	59	0.95	−1.73	0.80	7	T.	4	16	12	2	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	106	43.6	− 1.8	77	18	25	30	106	0.97	−1.86	0.72	6–7	0.3	5	14	5	11	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	41.6	− 2.3	77	18	19	11	12	1.12	−1.28	0.90	6	T.	4	8	13	9	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	43.5	− 2.2	78	18	24	30	31	0.74	−1.80	0.53	6	0.1	5	18	2	10	w.	St. Louis University
Salem	Dent	1,173	39	44.2	− 1.9	76	18	16	30	42	1.38	−1.26	1.08	7	T.	2	18	8	4	n.	E. E. Martin
Sikeston	Scott	318	36	45.2	− 2.0	77	21	20	30	46	1.24	−2.32	0.60	7	T.	3	18	6	6	n.	William B. Seabaugh
Union	Franklin	520	5	46.5	.....	80	19	18	28	26	1.10	−1.65	0.86	7	1.0	3	14	12	4	s.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	7	42.4	.....	75	18	21	29	8	1.39	.....	1.22	6	T.	3	11	9	10	w.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	46.0	.....	75	20	20	30	4	0.96	.....	0.46	7	T.	5	22	3	5	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	45.4	.....	78	18	19	30	3	1.20	.....	0.77	7	T. ¶	3	16	10	4	n.	William J. Miller
West Plains	Howell	1,005	6	43.3	.....	76	6†	15	30	6	0.96	.....	0.81	6	T.	5	13	10	7	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	42.5	.....	76	19	16	30	36	0.97	−2.37	0.75	7	T.	3	21	4	5	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	46.0	− 1.3	75	1	25	30	72	1.17	−2.51	0.89	6–7	T.	4	14	6	10	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**44.6**	**− 1.5**	**81**	**1**	**10**	**30**	..	**1.12**	**−2.09**	**1.60**	**7**	**0.1**	**4**	**17**	**7**	**6**	**n.**	
State means	**and extremes**	.....	..	**42.7**	**− 1.7**	**81**	**1**	**9**	**16**	..	**0.93**	**−1.75**	**1.87**	**7**	**0.4**	**3**	**17**	**7**	**6**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+).

All completed reports are used in determining section and division means. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland, Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour(near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for November 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.....																													.....
	Mean temperature	50	48	48	50	48	58	42	32	34	39	38	42	39	48	50	32	45	53	51	50	44	42	37	37	40	35	38	40	34	41	..	42.8
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.097	.091	.099	.064	.119	.065	.050	.052	.018	*	*	.091	.069	.032	.053	.039	.064	.068	.058	.079	.047	.085	.042	.025	.023	.019	.039	.039	.032	*	....	1.664
	Mean temperature	54	49	44	51	52	58	44	34	32	36	33	42	36	43	46	31	42	53	54	48	46	38	36	39	42	39	39	40	30	40	..	42.4
	Wind movement	18	40	31	15	57	32	50	60	71	44	40	42	41	26	43	71	31	44	30	40	20	85	64	58	16	14	34	20	35	36	..	1208

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 61)

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 42.7°, or 1.7° lower than the average of the past 56 Novembers. The highest monthly mean was 48.2° at Mount Vernon, and the lowest was 35.7° at Maryville and Memphis. The highest temperature recorded was 81° at Caruthersville on the 1st and the lowest was 9° at Grant City on the 16th.

PRECIPITATION

The average for the State, 192 stations reporting, was 0.93 inch, or 1.75 inches less than the 56-year November average. The greatest monthly amount was 2.27 inches at Warrenton, and the least was 0.09 inch at Butler and Nevada. The greatest 24-hour amount, in any observational day, was 1.87 inches at St. Charles on the 7th. The average number of days with 0.01 inch, or more, was 3.

Snowfall averaged 0.4 inch, or 0.6 inch less than the 54-year normal. The greatest monthly amount reported was 4.0 inches at Maryville.

MISCELLANEOUS PHENOMENA

Fogs.—Heavy, 1st, 3d, 6th, 12th, 13th, 27th, 28th.

Glaze.—29th.

Hail.—Light, 6th at Eldon and Springfield; heavy, 6th at Jefferson City, but no damage.

Sleet.—6th, 7th, 8th, 9th, 13th, 14th, 29th.

Tornado.—1st. (See special tornado note).

Windstorms.—No damaging winds reported, other than tornado on the 1st.

TORNADO

A small local tornado occurred after 4 p. m. on the 1st, at Bethpage and vicinity, McDonald County, resulting in slight injury to three persons and property damage estimated at from $3,000 to $5,000. The storm came from the southwest and moved northeastward over a path 150 feet wide, raising and dropping several times east of Bethpage, doing slight damage.

ERRATA

October 1943, page 55: Percentage of sunshine at Springfield should be 68. Page 56: Date of maximum temperature at Grant City and Macon should be 16† and 10, respectively. Page 57: Date of maximum temperature at Rolla should be 19. Page 58: Precipitation on 30th and 31st at Steffenville should be blank and .27, respectively.

Daily Precipitation for November 1943

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Northern Division																																	
Albany	Grand						.47	.03	.10							T.											.01			T.			0.61
Amity[2]	do							.77	.13	.07																	T.			T.			0.97
Bethany	do						.56		.18																								0.74
Bowling Green[2]	Mississippi		.14				*	1.19	T.	T.				T.	T.																		1.33
Brookfield	Grand						.20		T.																								0.20
Brunswick[2]	do							.23	T.	.06					T.														T.			0.29
Canton, Lock No. 20[2]	Mississippi		T.				T.	1.33	.01	.02					T.	T.													T.			1.36
Centralia[2]	do						.28	.80																					T.			1.08
Chillicothe[2] (A)	Grand							.15																									0.15
Chillicothe[2] (B)	do							.15	.02	.04																	T.						0.21
Clifton Hill	Chariton						1.15	.04	.10						.05														T.			1.34
Columbia [1]‡	Missouri	T.					1.46	T.	.03						.02															T.	.01		1.52
Conception	do						.52	.04	.04																	T.			T.				0.60
Edgerton	do						.29	T.	.12	T.																	T.			T.			0.41
Edina[2]	Mississippi							.45	T.	.01																							0.46
Elsberry	do	.07					.20	.70																									0.97
Elsberry S. C. S.[2]	do	.08	.09				.05	1.18	.09						.02	T.														.03			1.54
Farber[2]	do		T.				.32	*	.66	T.																				T.			0.98
Fayette	Missouri						1.63	.11	.03						.03															T.			1.80
Fulton[2]	do	.10					.73	.40	T	.05					T.															.01	T.		1.29
Gallatin[2]	Grand							.31	.03	.04																				T.			0.41
Grant City	do						.51	.06	.18	T.																T.	T.			T.			0.75
Hannibal[1] (A)	Mississippi						1.46	.02	T.						T.																		1.48
Hannibal[2] (B)	do							1.65	T.	T.						T.														T.			1.65
Hermann[2]	Missouri		.08				.10	1.06		.02																				.05			1.31
Kahoka[2]	Mississippi							.99		.06																				T.			1.05
Kansas City Airport[1]‡	Missouri	T.					.13	T	.07					T.	T.											T.			T.				0.20
Kansas City University	do						.16	T	.08																								0.24
Kidder[2]	Grand							.30	.01	.13																	T.			T			0.44
King City	Missouri						.32	.23	.10																					T.			0 65
Kirksville	Mississippi						.39	.01	.10	T.																				T.			0.50
LaBelle[2]	do						T	.90	T.	.05																							0.95
Lawson	Missouri						.20	T	.20																								0.40
Linneus[2]	Grand							.12	T.	.03																							0.15
Lonisiana[2] (A)	Mississippi		1.10					.90	T.																					T			2.00
Louisiana[2] (B)	do		.14					1.69	.02	.04					.02	T.														.02			1.33
Lucerne[2]	Grand							.65	T.	.04	.03																						0.72
Macon[2]	Chariton						.02	.64	.01	.08																			T.				0.75
Madison[2]	Mississippi							.92		.03																				.01			0.96
Maryville	Missouri						.26	.04	.19																	T.	.04			T.			0.53
Memphis[2]	Mississippi							.76		.05																							0.81
Mexico[2]	do	.10					.29	1.15	.03	.10					.05															.05			1.77
Milan[2]	Grand							.42	.08	.01																				T.			0.51
Moberly[3]	Mississippi						1.17		.01						.01															T.			1.19
Monroe City	do						.18	.76	.03						T.															T.			0.97
New Florence[4]	Missouri	.12					1.46	.02	.05	T.					T.	T.			T								T.			T.			1.65
Oregon	do						.32	T	.30																	T.							0.62
Palmyra	Mississippi						*	.72	.03						T.																		0.75
Paris[2]	do						.27	.58	T	.02					T.															T.			0.87
Perry	do						.37	.56	.08																								1.01
Philadelphia[2]	do						T.	1.26			T.																						1.26
St. Charles[2]	Missouri		.04					1.87	.24	.04																				T.			2.19
St. Joseph[1]‡	do						.45	.04	.12																	.03							0.64
Saverton, Lock No. 22[2]	Mississippi		.02				T.	.95	T.	.07					T.	T.														T.			1.04
Sheibina	do						1.28	T.	T.	T.	T				T															T			1.28
Shelbyville[2]	do							1.04																									1.04
Steffenville	do						*	1.20	.02	T					T															T.			1.22
Tarkio	Missouri																																
Trenton	Grand						*	.41	.09																					T			0.50
Troy[2]	Mississippi	.02	.01					1.85	.01	.02					T.	T.														T.			1.91
Unionville[2]	Chariton							.53	.01	.06																							0.60
Warrenton	Mississippi	.41					.63	1.23																									2.27
Keokuk, Iowa[3]	do	T.			T		1.40	T.	.05						T.												T.		T.	T			1.45
Southwestern Division																																	
Altona[2]	Osage						.12	.18	T																								0.30
Anderson[2]	Neosho		.20						.07	T.						*	.13																0.40
Appleton City	Osage						.25		T.																								0.25
Ava Ranger Station[2]	White							1.50		.20																							1.70
Bakersfield[2]	do		.05					.45																									0.50
Bolivar	Osage	.25	.01				.49	T.	.01							T.																	0.76
Boonville[2] (A)	Missouri						.14	.68	T.																					T.			0.72
Boonville[2] (B)	do						.04	.61	T.	.01					T.															.01			0.70
Buffalo[2]	Osage	.23					.33	.06																									0.62
Butler[2]	do							.09	T	T																							0.09
Caplinger Mills[2]	do		.02					.67	T.	T.																							0.69
Carthage	Neosho	.03					.10	T.																									0.13
Clinton[4]	Osage						.52		.06																								0.58
Concordia	Missouri						.08	.03	.01						.05															T.			0.17
Crocker	Osage		.09					.98	.01																					T.			1.08
Eldon[2]	Missouri		.26				.40	1.06																									1.72
Eldorado Springs	Osage						.13	T	T							T																	0.13
Elijah	White		.08					.74	T.																								0.82
Fort Leonard Wood[2]	Gasconade		T.				.07	1.05		T																							1.12
Galena[2]	White		.65					.85		.04																							1.54
Hailey	do	.60					.56	T								.11															.03		1.30
Harrisonville[2]	Osage						T.	.10		.15																							0.25
Jefferson City[2]	Missouri		.10				.17	1.36	T.	T.																				T.			1.63
Joplin[3]	Neosho						.14		T.																									0.14
Lakeside[2]	Osage		.20				.31	.49	T.	T.																				T.			1.00
Lamar[2]	Neosho							.20																									0.20
Lebanon[2]	Osage		.06				.06	.58																									0.70
Lexington[2]	Missouri							.19		.08					.06															.04			0.37
Lockwood	Osage	.07					1.33	T	T.							.05																	1.45
Macomb[2]	White		.26					.72									.03																1 01
Marshall	Missouri						.41		.20																									0.61
Marshfield[2]	White		.09					.18	T.	.01																								0.28
Mountain Grove	do	.01	.10					.51	.07	T						T.																		0.69
Mount Vernon	Neosho	*	.18				.04		*	.01																								0.23
Neosho	do	T.					.42	T.	.05							.06																		0.53
Nevada	Osage						.08	T.	.01							T.																		0.09
Oceola[2]	do						.55		T.																									0.55
Ozark Beach[2]	White		.14					.66									.04																0.84
Pierce City[2]	Neosho		.42					.08	T.	.08						T.	T.																	0.58

Continued on next page

Daily Precipitation for November 1943—Continued from preceding page

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Southwestern Division—Concluded																																
Pineview Lookout[2]	White		.74					.50		.09																						1.24
Pleasant Hill[2]	Osage							.16	.01	.09																						0.29
Roby	Gasconade		.30					.77	.02	T.																						1.09
St. Thomas[2], 2¼ mi SW	Osage		.16				.20	.68		T.																						1.04
Sedalia	Missouri						1.12		.01						.02																	1.15
Sellgman	Neosho	.34	.34				.25	T.	T.							T.																0.93
Seymour	White	.05	.85					1.00	.03							T.																1.43
Shell Knob[2], 3 mi. SE	do		.35					.05		.04																						0.44
Siloam Sprgs Lookout[2]	do		.18					.50																								0.68
Springfield[1‡]	do	.13					.32	.02	.01							T.														T.		0.48
Stover[2]	Missouri																															
Sugar Camp Lookout[2]	White		.46					.37	.01	T.						T.																0.84
Sweet Springs	Missouri						.18	.02	.06						.02															T.		0.28
Tecumseh[2], ¼ mi. W	White							.85																						.01		0.86
Topaz[2]	do																															
Vanzant[2], 3¾ mi. SE	do		.09					1.00		T.																						1.09
Warrensburg	Missouri	T					.18	T.	.06					T.																T.		0.21
Warsaw[2] (A)	Osage	T.						.95	T.	T.																						0.95
Warsaw[2] (B)	do						*	.98	T.	T.																						0.98
Wasola	White		.01				.48		T.							T.																0.52
Waverly[2]	Missouri							.10	.02	.06																				.01		0.19
Southeastern Division																																
Advance[4]	St. Francis	T.	T.				1.06	.30	.02						T.	.02														T.		1.40
Alton, 10 miles SE	Black							.77																								0.77
Annapolis	St. Francis			.39				.70																								1.09
Annapolis[2] 4½ mi. NW	do	.39						.57	.16	T.						T.																1.12
Arcadia[2]	do		T.				.61	.71		T.																						1.32
Banner[2]	Black		.06				.20	.75	.18	.01						T.														T.		1.20
Belleview	Meramec					.30		1.02																								1.32
Birch Tree	Black		.33				.03	.75	.02							.03																1.16
Bunker[2] 4 miles NW	Black			.05			.09	.82	.17	.04																						1.17
Campbell	St. Francis	.01					T.	.70	.01	T.						.10																0.82
Cape Girardeau[2]	Mississippi	.01	.02				T.	1.42	.45	.01							.18														T.	2.09
Caruthersville[2]	do		T.				T.	.55	.65	T.							.25															1.45
Centerville[2]	Black		.15				.10	.84	.16								T.													T.		1.25
Cook Station[2]	Meramec		.30					.60	.40	T.																				T.		1.30
Crane Mountain[2]	St. Francis		.31					.58	.16	T.							.02															1.07
Crystal City	Mississippi	.22	.16				.30	*	.50	T.						.05														T.		1.23
Cuba	Meramec		.27					.82		T.																				T.		1.09
Deering[2]	St. Francis		.16				.02	.26	.45								.16															1.05
De Soto[2]	Mississippi	.25	.17				.22	.40	.18	.02					T.															T.		1.24
Dexter[2]	St. Francis		.10				.04	.52	.42	.05							.06															1.19
Doniphan	Black						.65	.60	T.	T.						T.																1.25
East End[2]	Meramec						.40	.63		.15																						1.18
Eastwood Lookout[2]	Black							.39	.07	.03							T.															0.49
Ellington[2]	do		.30					.70	.10																							1.10
Ellsinore Lookout[2]	do																															
Farmington	St. Francis		.13				.42	.77	T.																					T.		1.32
Fisk[2]	do												.16																			0.16
Fredericktown[2]	do		.26				T.	.60	.28																					T.		1.14
Gerald[2]	Meramec							.99	1.18	T.																				T.		2.17
Goodland	Black		.06				.24	.67																						T.		0.97
Greenville	St. Francis															.07																||||||
High Lookout	Black							.69	.11	.01						.03																0.84
Jackson	Mississippi	.19					.20	1.08	.20	.03						.11														T.		1.81
Jefferson Barracks	Mississippi		.08				.24	.37	.01	T.						T.														T.		0.70
Jerome[2]	Gasconade						.15	1.40																								1.55
Koshkonong	Black							.53	.03																							0.56
Leeper[2]	do		.10				.04	.56	.12																							0.76
Licking	Gasconade							1.60	T																							1.60
Macedonia Lookout[2]	Black		.02				.09	.74	.12	.01							.03															1.01
Malden[4]	Mississippi	.01					.26	.63	T.							.07													T.	T.		0.97
Marble Hill	do						.18	.41								.11																0.70
Meramec Park[2]	Meramec	T.	.26				T.	.59	T.	T.					T.															T.		0.85
Morehouse	Mississippi							.94	.09	T.						.08	T.															1.11
Moselle[2]	Meramec		.01					.60	.14						*	.02																0.80
Owensville[2]	Gasconade		.12				1.02	1.01	T.					.06															T.	T.		2.24
Pacific[2]	Meramec		.49					.75	T.	T.																				T.		1.24
Parma[2]	St. Francis		.10					.40	.45								.03															0.98
Perryville	Mississippi							*	*	1.10																				T.		1.10
Pilot Knob[2], 2 mi. NE	St. Francis		.12				.39	.61	.20	T.																				T.		1.32
Poplar Bluff[2] (A)	Black							.45	.41	T.							T.															0.86
Poplar Bluff[2] (B)	do						.43	.40	.14	T.							.02															0.99
Reynolds[2]	do							.85																								0.85
Richwoods[2]	Meramec		.22					*	*	1.51																				T.		1.73
Rolla[2]	do		.06				.02	.80	.07	T.																				T.	T.	0.95
Round Spring[2]	Black								1.11																							1.11
St. Louis City Office[1‡]	Mississippi	.06	T.			T.	.71	.17	.02	T.						.01	T.													T.		0.97
Airport[4]	Missouri	.01	T.				.90	.20	T	T.						.01	T.													T.		1.12
St. Louis Univ.[3‡]	Mississippi	.06					.53	.13	.01							.01														T.		0.74
Washington Univ.[2]	do		.02				.23	.64	.20	.04																						1.13
Salem	Meramec		.30					1.08	T.								T.															1.38
Sikeston[2]	Mississippi							.60	.58	T.																						1.24
Summersville	Black		.08					1.09	.03																							1.20
Union	Meramec		.14					.86	T.																					.10		1.10
Valley Park[2]	do		.03				.03	.75	.20	.03																				T.		1.04
Van Buren	Black							.60	T																							0.60
Vichy[4]	Meramec	.12					1.22	.05	T.					T.	T.	T.														T.		1.39
Wappapello Dam[2]	St. Francis		.01				.20	.46	.22	T.							.07														T.	0.96
Weingarten	Mississippi		.20				.30	.70	T.	T.																				T.		1.20
West Plains[4]	Black	.03	.03				.81	.07	.02						T.	T.										T.						0.96
Wilderness[2]	do							.55																								0.55
Williamsville[2]	do		.05				.08	.57	.33	.02							.04															1.09
Willow Springs[2]	White		.12				T.	.75	.10	T						T.																0.97
Winona Ranger Sta.[2]	Black		.14					.50	.12	.04							T.															0.80
Zalma, 3½ miles S	Mississippi		.01				.08	1.08	.08							.04																1.29
Cairo, Ill[1‡]	do	.01					.26	.82	T.	T.						.08														T.		1.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. || Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for November 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick §§	Maximum	58	57	62	64	59	50	40	32	37	40	47	55	45	61	41	37	64	72	59	63	51	47	41	49	56	43	48	55	38	59	..	51.0
	Minimum	36	33	28	27	37	36	38	27	26	26	20	20	24	25	36	18	16	26	35	33	36	27	26	23	22	31	27	23	23	24	..	27.6
Chillicothe §§	Maximum	65	55	62	62	59	49	47	31	36	39	46	53	44	56	39	36	65	68	71	62	49	46	46	53	55	39	39	51	30	59	..	50.4
	Minimum	34	30	25	32	36	38	36	20	22	26	18	20	23	25	28	15	18	30	47	34	33	24	24	21	22	29	21	20	21	25	..	26.6
Columbia	Maximum	60	58	60	67	60	56	42	34	34	40	47	56	45	60	51	36	66	77	59	62	50	46	40	51	55	45	47	52	32	60	..	51.6
	Minimum	40	34	30	43	41	42	34	27	27	26	22	30	25	38	31	18	25	46	40	38	33	29	28	27	32	36	29	29	24	24	..	31.6
Fayette	Maximum	62	57	60	67	60	54	45	37	35	40	47	55	47	59	56	37	63	73	58	60	52	45	40	50	58	50	45	53	47	58	..	52.3
	Minimum	35	32	27	35	38	45	37	25	25	25	18	28	25	32	36	33	22	48	37	35	39	25	25	22	27	35	25	23	25	21	..	30.2
Grant City	Maximum	52	54	62	60	57	49	38	33	38	39	45	52	42	53	44	39	63	70	57	63	54	45	44	44	53	41	37	40	38	59	..	48.8
	Minimum	28	23	20	34	27	37	32	24	25	26	17	27	19	29	29	9	23	34	32	31	31	21	25	19	26	33	18	15	25	23	..	25.4
Hannibal	Maximum	59	55	55	65	58	50	43	35	33	38	41	54	40	50	44	34	61	72	57	55	47	42	41	46	55	44	40	51	34	55	..	48.5
	Minimum	37	34	29	35	37	41	33	24	27	24	19	26	23	32	29	12	23	39	34	32	30	25	26	22	27	34	25	20	21	20	..	28.0
Kansas City Airport	Maximum	56	60	65	66	62	52	40	32	38	46	57	55	49	59	41	40	70	73	58	66	50	45	43	46	55	41	46	52	41	60	..	52.1
	Minimum	35	35	30	47	38	40	28	24	27	29	26	32	27	37	25	20	31	47	36	36	34	28	30	25	32	32	24	23	26	33	..	31.2
Kirksville	Maximum	56	54	57	62	58	52	42	37	34	36	41	51	42	49	43	34	60	68	60	57	50	41	40	44	53	48	37	47	38	54	..	48.2
	Minimum	35	32	29	32	35	41	36	26	25	26	17	26	25	30	32	13	25	40	33	31	31	21	26	20	29	35	23	21	23	24	..	28.1
Lawson	Maximum	57	64	65	64	68	63	42	31	38	42	52	52	47	59	42	40	65	71	60	64	60	50	45	60	56	42	50	54	42	60	..	53.5
	Minimum	31	30	28	42	57	40	31	22	21	26	20	26	23	35	36	22	25	42	30	33	35	28	23	18	29	32	20	22	26	23	..	29.2
Louisiana §§	Maximum	59	55	67	66	61	57	58	46	44	67	43	54	43	52	46	39	61	74	65	57	50	45	44	47	55	42	43	52	44	56	..	53.1
	Minimum	27	21	24	24	37	37	40	31	28	25	17	19	24	26	36	18	18	27	37	26	31	23	22	18	18	23	26	17	20	20	..	25.3
Macon §§	Maximum	57	55	59	64	59	46	40	31	34	36	43	55	43	56	39	37	62	70	60	58	50	45	40	47	55	43	43	53	36	57	..	49.1
	Minimum	35	32	28	31	37	36	37	25	25	25	17	18	23	23	35	24	24	29	34	33	32	21	22	20	20	28	26	20	22	24	..	26.9
Maryville	Maximum	51	51	58	58	52	50	37	30	35	36	43	47	40	48	40	35	62	66	55	59	51	45	39	40	44	38	34	33	38	56	..	45.7
	Minimum	28	25	26	33	30	37	30	22	21	25	19	25	22	30	28	12	21	35	31	32	31	22	24	21	29	31	17	18	19	26	..	25.7
Mexico §§	Maximum	60	59	65	68	67	55	42	33	34	40	46	57	45	57	47	39	65	78	59	60	50	45	40	50	60	45	46	56	36	60	..	52.1
	Minimum	36	34	27	37	39	39	39	28	26	26	18	22	25	28	38	17	18	29	35	32	35	23	23	21	23	31	22	23	28	23	..	28.2
Moberly §§	Maximum	57	55	60	66	59	48	40	31	34	36	44	54	45	58	40	37	63	72	60	60	49	46	38	48	56	43	44	52	34	57	..	49.5
	Minimum	34	30	30	34	36	38	37	26	25	26	20	20	22	25	36	15	15	29	34	34	36	25	25	22	22	33	27	27	26	24	..	27.8
Oregon	Maximum	51	56	64	61	54	54	41	31	39	39	51	51	46	50	47	40	68	70	64	65	58	44	43	45	45	40	40	35	45	60	..	49.9
	Minimum	32	29	31	39	31	39	30	21	25	30	22	29	27	30	29	14	28	40	32	35	33	23	25	23	33	33	23	18	22	30	..	28.6
St. Charles §§	Maximum	63	60	61	66	61	70	45	35	36	44	44	57	44	56	57	40	62	77	62	60	52	46	44	50	57	46	49	56	33	60	..	53.1
	Minimum	43	32	30	30	36	45	42	33	28	26	20	21	27	28	38	24	23	24	43	32	34	28	27	24	24	26	29	23	29	22	..	29.7
St. Joseph	Maximum	49	54	63	62	58	50	37	30	37	40	54	52	47	53	39	39	68	71	56	64	49	46	44	45	49	39	44	41	42	60	..	49.4
	Minimum	36	32	29	44	38	37	28	23	26	27	24	30	26	34	24	20	30	47	36	37	31	25	28	25	34	30	24	22	24	33	..	30.1
Trenton	Maximum	52	55	62	62	54	55	41	39	36	37	44	53	45	55	50	38	64	71	64	62	55	45	41	45	55	49	48	49	40	60	..	50.9
	Minimum	36	31	25	35	41	35	35	25	25	28	18	29	22	33	34	15	25	41	33	31	32	24	26	24	27	34	23	18	24	27	..	28.5
Unionville §§	Maximum	54	55	67	64	60	56	45	30	34	42	43	53	45	52	47	40	67	75	60	62	50	46	43	49	55	38	38	49	40	57	..	50.5
	Minimum	30	27	25	24	33	28	35	26	22	21	15	15	22	22	28	12	10	20	32	30	29	20	18	20	20	24	20	12	17	20	..	22.6
Warrenton	Maximum	62	59	65	65	61	71	..	..	..	68	44	55	48	55	54	38	61	77	70	59	52	45	42	47	55	49	45	54	44	57	..	°55.6
	Minimum	41	30	32	39	41	45	..	..	..	24	20	30	26	31	37	19	20	48	41	33	38	24	24	23	31	35	33	25	24	19	..	°30.9
Keokuk, Iowa	Maximum	56	52	54	65	53	47	42	35	35	38	40	52	40	41	40	34	60	69	54	57	46	40	40	46	55	44	35	45	34	53	..	46.7
	Minimum	41	35	31	38	37	42	35	29	30	28	21	27	26	32	28	14	29	44	35	34	31	28	29	26	29	34	25	23	25	26	..	30.2
Southwestern Division																																	
Clinton	Maximum	59	61	65	66	63	55	41	31	41	54	60	61	52	69	52	42	64	74	59	69	54	50	46	50	59	46	51	55	43	60	..	55.1
	Minimum	37	31	31	40	40	41	31	26	26	28	25	31	25	41	26	19	24	46	36	33	37	32	28	24	32	27	23	25	26	25	..	30.5
Eldon §§	Maximum	59	60	65	68	61	72	42	31	36	43	53	58	50	70	54	39	66	78	60	67	54	46	43	51	57	43	51	34	31	60	..	53.4
	Minimum	42	36	33	31	35	41	39	28	27	27	22	20	25	25	39	22	20	24	47	34	33	32	25	23	24	28	29	25	25	19	..	29.3
Harrisonville §§	Maximum	59	62	66	66	50	59	39	32	42	54	59	62	50	66	46	40	70	74	59	66	52	47	45	48	55	45	51	57	42	62	..	54.2
	Minimum	35	31	34	26	37	45	38	25	23	28	24	27	26	34	37	15	19	31	37	34	38	29	29	22	23	33	23	24	26	24	..	29.6
Jefferson City §§	Maximum	61	60	62	68	62	72	41	32	37	44	50	58	47	66	53	38	67	78	61	64	54	47	45	50	58	44	43	50	32	60	..	53.5
	Minimum	41	37	32	32	39	42	39	29	27	26	20	22	28	28	39	20	20	26	43	33	32	30	27	26	25	28	36	29	25	21	..	30.1
Joplin	Maximum	58	61	65	66	72	69	44	36	39	58	63	61	64	68	55	42	65	77	65	71	71	53	49	54	59	45	50	57	42	58	..	57.9
	Minimum	45	37	37	48	47	44	33	28	26	30	32	42	36	53	34	28	30	52	48	40	46	38	37	30	40	37	29	34	30	32	..	37.4
Lamar §§	Maximum	61	63	68	65	68	64	40	34	44	60	62	63	58	68	51	42	64	75	62	70	70	51	49	52	58	47	51	56	42	60	..	57.3
	Minimum	39	29	29	30	37	36	39	27	23	23	26	29	26	25	44	20	20	29	42	34	36	34	34	26	25	30	21	21	23	25	..	29.4
Lebanon §§	Maximum	60	59	64	66	66	74	40	30	39	51	53	58	55	69	52	40	65	75	69	69	64	46	45	52	57	44	49	55	37	58	..	55.4
	Minimum	40	33	33	33	41	39	38	27	25	24	21	24	24	25	42	20	20	27	45	35	36	33	25	23	23	30	23	24	27	24	..	29.5
Lexington §§	Maximum	57	60	65	65	63	50	38	31	40	45	54	57	49	63	41	40	68	73	63	66	52	48	42	48	58	42	50	56	42	62	..	52.9
	Minimum	37	35	31	34	39	40	37	24	24	27	21	24	27	32	38	17	18	32	35	35	36	25	25	22	23	33	25	23	25	29	..	29.1
Marshall	Maximum	63	58	64	66	63	58	38	40	38	43	50	56	53	62	53	43	66	75	73	63	61	51	44	47	57	50	47	49	40	62	..	54.4
	Minimum	38	35	31	42	40	35	34	25	25	29	21	21	28	43	35	17	26	36	36	34	30	26	26	22	31	31	25	26	25	26	..	30.0
Mountain Grove	Maximum	65	60	62	65	68	73	72	42	39	52	50	59	55	64	57	46	61	74	75	71	71	67	48	54	56	54	48	54	51	57	..	59.0
	Minimum	43	37	35	40	45	56	41	25	25	24	24	36	27	39	44	24	21	49	47	37	49	31	25	23	34	31	24	28	27	23	..	33.8
Neosho	Maximum	70	62	67	67	71	73	47	37	41	57	64	60	65	73	65	47	64	77	73	74	77	70	53	55	58	58	51	58	54	59	..	61.6
	Minimum	39	30	29	36	38	46	36	29	25	24	30	38	25	52	47	27	24	49	42	35	45	39	40	30	31	30	23	25	30	23	..	33.9
Nevada	Maximum	68	63	66	66	68	60	45	36	43	58	64	64	58	69	65	43	67	75	72	71	65	52	49	54	59	54	52	58	52	60	..	59.2
	Minimum	40	29	30	42	36	44	35	26	24	25	25	36	25	44	41	20	24	49	39	33	42	34	32	25	30	39	21	24	29	26	..	32.3
Sedalia	Maximum	61	60	64	64	64	61	46	36	38	46	52	57	53	68	60	41	64	74	70	66	62	48	42	47	58	52	50	56	48	59	..	55.6
	Minimum	36	32	30	42	37	43	36	24	24	27	21	27	24	35	40	16	24	46	36	33	41	32	26	22	32	35	25	27	27	25	..	30.8
Springfield	Maximum	59	57	61	66	68	73	41	32	38	53	53	58	57	68	52	39	64	75	67	68	69	50	47	52	56	43	48	54	38	58	..	55.5
	Minimum	43	33	34	37	42	41	31	26	26	26	32	27	43	32	22	23	43	40	37	40	33	30	24	24	30	30	23	28	24	24	..	31.7
Warrensburg	Maximum	60	57	61	62	63	60	44	35	37	40	53	53	51	62	63	39	63	70	70	61	61	48	44	45	50	50	45	48	50	56	..	53.4
	Minimum	39	34	34	44	40	44	34	24	25	29	23	31	28	37	38	18	28	45	37	34	39	30	26	23	33	38	26	27	29	29	..	32.2
Southeastern Division																																	
Arcadia §§	Maximum	69	69	66	67	68	72	50	38	44	55	50	63	55	58	69	45	61	78	78	68	70	51	48	35	62	57	57	55	37	55	..	58.3
	Minimum	42	39	25	25	27	38	38	28	28	20	20	22	30	25	33	25	20	26	39	30	31	25	22	21	21	21	24	16	20	12	..	26.4
Birch Tree	Maximum	70	61	64	65	71	74	65	40	43	54	49	61	58	63	59	45	59	75	76	68	73	59	48	55	58	55	50	56	41	56	..	59.0
	Minimum	41	40	27	26	38	55	38	28	24	17	17	35	23	35	37	25	15	27	34	33	35	33	25	20	23	21	22	18	18	12	..	28.1
Caruthersville §§	Maximum	81	62	61	66	72	70	64	44	44	52	48	63	54	65	60	47	64	68	75	68	75	52	49	56	60	56	50	53	45	50	..	59.2
	Minimum	58	51	37	36	38	52	54	37	33	25	26	33	33	34	40	37	25	27	42	43	47	37	33	30	30	30	32	28	28	22	..	35.9
Crystal City	Maximum	72	61	60	68	63	73	69	41	36	50	46	60	62	60	63	60	59	80	69	60	58	52	46	54	59	52	56	57	47	61	..	58.5
	Minimum	38	35	23	26	42	44	39	30	27	17	14	28	20	25	40	24	14	26	35	26	30	39	24	20	19	24	35	20	27	17	..	27.6
Doniphan	Maximum	78	71	67	70	72	72	74	44	49	60	52	66	58	65	68	56	59	74	79	69	79	60	49	67	62	63	58	56	47	54	..	63.3
	Minimum	47	49	27	27	40	57	43	35	31	19	20	36	21	33	40	32	16	27	33	34	52	35	27	23	20	21	39	19	23	13	..	31.3
Farmington	Maximum	69	59	62	65	60	70	67	39	40	50	48	57	51	61	59	41	56	76	73	64	62	47	43	51	60	54	49	54	45	53	..	56.2
	Minimum	42	41	30	35	47	40	38	28	27	22	21	38	28	35	41	28	18	39	44	35	47	30	25	22	24	29	33	26	28	17	..	32.2
Jackson	Maximum	71	62	62	65	65	67	67	44	39	54	50	59	59	60	60	55	51	69	71	69	67	57	45	52	56	56	55	50	48	48	..	57.8
	Minimum	50	47	30	29	45	54	43	35	30	22	22	35	26	33	46	33	20	34	36	37	36	31	26	23	22	23	30	20	28	19	..	32.2
Poplar Bluff	Maximum	69	65	68	68	74	71	70	43	48	57	52	65	56	66	69	48	57	73	76	68	77	52	49	56	61	69	51	56	48	51	..	61.1
	Minimum	51	45	30	30	43	55	42	35	31	21	22	34	22	30	43	32	18	32	36	40	35	35	27	25	29	23	29	21	25	16	..	31.9
Rolla §§	Maximum	62	60	63	66	62	75	42	31	40	49	51	57	51	67	57	39	64	77	70	67	59	46	43	52	59	46	49	55	33	60	..	55.1
	Minimum	42	38	31	34	43	46	39	28	24	24	22	30	27	33	48	22	23	29	48	36	41	34	26	24	25	31	28	24	28	19	..	31.7
St. Louis	Maximum	62	56	56	64	60	68	53	38	34	42	43	51	43	54	56	35	59	77	62	59	54	46	43	50	58	44	43	53	40	58	..	52.1
	Minimum	49	44	40	39	49	47	38	28	30	29	27	36	31	37	34	25	27	47	47	39	35	31	29	29	35	38	35	30	27	25	..	35.2
Salem	Maximum	65	59	62	66	68	73	67	38	41	52	50	58	53	66	66	40	62	76	74	67	65	51	44	54	58	50	49	57	45	60	..	57.9
	Minimum	40	37	28	33	41	53	37	26	26	23	20	37	23	37	39	24	19	38	44	31	43	31	23	22	23	25	27	22	25	16	..	30.4
Sikeston §§	Maximum	74	63	65	69	73	68	52	41	43	54	49	65	57	63	67	48	54	72	76	68	77	51	49	58	61	60	45	56	40	51	..	59.0
	Minimum	53	49	33	33	33	48	48	36	31	23	24	29	27	27	29	34	21	23	35	39	40	33	25	25	26	25	27	24	26	20	..	31.5
Union	Maximum	71	60	61	68	71	79	71	45	40	49	52	57	58	66	60	46	64	79	80	62	59	51	46	52	61	52	52	59	54	62	..	59.6
	Minimum	53	33	30	30	40	50	44	28	27	31	27	44	30	42	40	28	22	47	57	27	34	28	24	28	28	26	33	18	30	22	..	33.4
West Plains	Maximum	66	63	67	66	68	76	47	35	43	54	50	62	56	66	57	45	60	74	76	69	76	50	48	53	58	57	50	58	36	56	..	58.1
	Minimum	41	34	30	28	40	45	35	28	22	20	21	32	23	36	36	20	18	30	37	35	37	31	27	24	22	24	24	20	18	15	..	28.5
Cairo, Ill.	Maximum	75	61	60	64	66	68	65	40	39	49	45	60	52	60	64	42	50	68	70	65	69	49	46	54	57	55	43	50	40	48	..	55.8
	Minimum	°67	43	38	39	53	56	39	31	30	27	29	38	34	38	39	30	26	40	44	44	41	35	30	30	33	31	31	25	31	25	..	36.2

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record to the preceding day, on which it almost always occurs. §§ Instruments are read in the morning; the maximum temperature then read is charged ¶ Estimated. ‖ Partially estimated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII DECEMBER 1943 No. 12

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The month was rather cold, with heavy snowfall over most of the northern two-thirds of the State. In the northern sections snow covered the ground almost continuously after the 9th, providing a protective cover for the winter wheat crop in that area. Sunshine was generally deficient and much damp, cloudy, and foggy weather prevailed during the month. Very little farm work was possible, except seasonal chores and caring for livestock. No damaging storms occurred.

It was the coldest December since 1935 and averaged 1.4° lower than the same month a year ago. The extreme low temperature, 20° below zero, was the lowest recorded in the State, for the month of December, since 1932, and in only nine of the past 56 Decembers has the temperature been as low. The temperature deficiency was general over the entire State, only one station, Oregon, having a monthly average above normal. The first ten days were generally warmer than normal, while the remainder of the month averaged colder than normal, except for brief, intermittent periods. The highest temperature occurred on the 4th and the lowest on the 15th, at most stations. The period from the 13th to the 17th, inclusive, was decidedly cold, averaging approximately 20° lower than normal. The warmest period was from the 4th through the 8th.

Precipitation for the month was adequate, as a rule, in both frequency and amount. A considerable portion of the monthly totals occurred as snow, especially over the Northern Division. There was very little runoff and all streams and rivers, over the State, were at rather low stages throughout the month. The water supply continued low in some sections, particularly in south-central areas. The average snowfall for the State was the seventh heaviest of record for the past 54 Decembers, but was 0.6 inch less than the average for December, 1942. Monthly totals of ten inches, or more, were quite general north of the Missouri River, and in the northern portion of the Southwestern Division.

Wheat was dormant most of the month and was adequately protected by a rather heavy snow cover during the coldest weather. The extremely low temperatures of the 15th and 16th probably killed some peach buds, in some sections, but the extent of damage had not been determined at the end of the month. Cold weather and snow-covered ground over most of the State caused heavy demands on supplies of stored feed for livestock. Some corn still remained in fields at the close of the month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 93 stations reporting, was 31.3°, or 3.0° lower than the average of the past 56 Decembers. The highest monthly mean was 37.6° at Caruthersville, and the lowest was 24.7° at Unionville. The highest temperature recorded was 72° at Doniphan, on the 4th, and the lowest was 20° below zero at Sweet Springs, on the 15th.

PRECIPITATION

The average for the State, 192 stations reporting, was 2.10 inches, or 0.09 inch less than the 56-year December average. The greatest monthly amount was 3.93 inches at Mexico, and the least was 0.76 inch at Kahoka and Licking. The greatest 24-hour amount, in any observational day, was 1.68 inches at Hailey, on the 10th. The average number of days with 0.01 inch, or more, was 6.

Snowfall averaged 6.8 inches, or 3.1 inches more than the 54-year normal. The greatest monthly amount reported was 19.6 inches at Mexico.

(Continued on page 69)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.73*	23	29.76*	1	6.4	18	n.	14	82*	66*	73*	55	1103
Kan. City Airp't.	30.74	23	29.72	7	8.5	28	nw.	6	80	64	66	57	1069
St. Joseph	30.73*	23	29.71*	8	7.1	25	s.	6	86*	66*	76*	51	1114
St. Louis	30.76*	16	29.81*	6	10.1	27	sw.	11	71	62	69*	48	1006
Springfield	30.69	17	29.77	1	9.4	29	ne.	9	85	68	76	35	1010
Cairo, Ill.	30.74	17	29.82	6	7.9	22	n.	14	81	66	..	44	896
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation						Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	35.9	70	0	2.43	1.88	3.03	2.39	....	6	..	..	..
1889	46.8	80	2	1.09	0.60	0.85	1.82	0.1	3	..	..	..
1890	36.0	76	− 3	1.18	0.82	1.14	1.57	4.6	3	..	..	..
1891	39.8	72	− 1	1.88	1.91	1.67	2.05	....	6	..	..	..
1892	29.4	75	−22	2.50	1.69	2.76	3.04	4.8	6	8	7	16
1893	35.2	76	− 7	0.97	0.80	0.67	1.44	2.7	5	11	11	9
1894	36.7	75	− 7	2.41	1.19	2.33	3.70	1.3	5	14	8	9
1895	34.3	69	− 8	6.40	5.12	8.57	5.50	3.4	8	9	8	14
1896	38.6	79	− 5	0.92	0.84	1.17	0.75	T.	3	13	8	10
1897	29.3	74	−14	3.03	1.92	2.98	4.19	6.3	7	8	8	15
1898	28.7	74	−20	1.65	1.62	1.84	1.48	5.1	5	17	6	8
1899	30.4	75	−13	2.22	1.90	2.02	2.74	6.6	9	12	9	10
1900	35.6	68	− 3	0.79	0.47	0.55	1.35	0.6	4	14	8	9
1901	28.5	71	−29	3.20	2.26	2.98	4.35	6.9	8	11	7	13
1902	30.7	68	− 7	3.32	2.02	2.76	5.18	3.1	8	10	4	17
1903	30.2	65	−11	1.70	1.05	1.56	2.49	2.3	5	16	7	8
1904	32.9	75	−10	1.55	1.56	1.24	1.84	6.0	5	16	7	8
1905	33.3	66	− 2	1.71	0.79	1.44	2.89	1.7	4	18	6	7
1906	36.1	73	0	2.52	1.67	1.85	4.05	0.6	8	8	6	17
1907	37.7	76	3	1.75	1.22	1.69	2.34	3.7	7	11	7	13
1908	38.4	80	− 4	0.78	0.54	0.94	0.86	T.	3	16	7	8
1909	24.9	76	−17	2.87	2.82	2.80	3.00	7.7	8	12	6	13
1910	31.2	67	− 5	1.49	0.94	1.14	2.40	2.4	4	16	5	10
1911	36.7	74	−11	2.85	2.74	2.56	3.26	5.1	7	13	6	12
1912	36.5	72	2	0.62	0.54	0.49	0.82	0.6	3	19	5	7
1913	38.3	74	− 3	2.26	2.11	2.84	1.83	6.6	7	9	4	18
1914	26.8	68	−18	2.51	1.69	2.20	3.65	6.6	9	7	5	19
1915	34.7	68	−13	2.99	1.48	2.45	5.03	7.8	6	12	6	13
1916	31.3	82	−29	1.92	0.78	1.54	3.44	4.4	6	15	6	10
1917	25.5	82	−23	0.76	0.41	0.75	1.13	7.3	5	11	7	13
1918	40.0	83	−12	3.23	2.27	2.81	4.62	7.8	7	13	6	12
1919	28.5	74	−22	0.72	0.41	0.66	1.08	0.7	3	12	4	15
1920	35.6	77	−10	2.12	1.25	1.49	3.61	2.3	5	13	7	11
1921	36.9	74	− 8	1.97	1.26	2.00	2.65	1.9	6	13	7	11
1922	36.3	75	− 6	2.27	0.75	1.71	4.35	0.2	6	15	6	10
1923	41.0	82	− 4	3.07	1.63	2.96	4.62	0.8	8	11	6	14
1924	27.7	80	−28	3.48	2.94	3.45	4.06	4.6	7	13	6	12
1925	31.6	69	−10	1.43	1.53	1.27	1.50	4.8	4	13	7	11
1926	32.6	75	−12	2.16	1.17	2.12	3.20	2.4	6	11	5	15
1927	29.9	74	−11	2.81	1.64	2.55	4.23	2.9	6	15	5	11
1928	36.2	81	0	2.29	1.57	2.49	3.00	1.4	5	14	6	11
1929	35.2	76	− 9	1.74	0.67	1.11	3.43	3.7	6	13	5	13
1930	34.2	70	2	1.24	0.79	1.35	1.57	1.9	5	15	6	10
1931	42.7	80	11	2.71	2.53	1.51	4.10	1.7	8	11	6	14
1932	31.2	77	−21	4.74	3.18	4.98	6.07	5.7	7	12	6	13
1933	39.1	78	− 7	1.92	1.52	1.67	2.56	0.4	5	12	7	12
1934	31.6	69	− 3	1.80	0.94	1.72	2.74	5.0	7	10	6	15
1935	30.7	66	−11	1.20	0.85	1.03	1.73	2.8	6	11	7	13
1936	38.4	69	− 7	2.83	2.19	2.71	3.60	2.2	7	12	7	12
1937	32.0	66	− 2	2.24	1.50	1.90	3.32	0.6	9	8	6	17
1938	35.9	72	2	1.83	1.66	1.52	2.32	0.2	6	15	7	9
1939	38.8	80	− 5	1.45	1.11	1.46	1.79	6.3	6	15	7	9
1940	38.6	78	− 2	2.59	1.77	2.33	3.66	1.7	8	10	5	16
1941	39.6	72	3	2.21	1.92	1.94	2.76	2.1	6	11	7	13
1942	32.7	76	− 4	4.01	3.38	4.32	4.34	7.4	10	8	7	16
1943	31.3	72	−20	2.10	1.88	2.38	2.04	6.8	6	12	6	13
Period	34.3	83	−29	2.19	1.56	2.08	2.92	3.5	6	12	7	12

Climatological Data for December 1943

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	2	27.3	.....	65	4	−15	15	14	1.82	+0.95	1.15	6	6.5	6	20	4	7	s.	Curtis E. Grace
Bethany	Harrison	916	48	25.2	− 4.9	60	5	−14	15	50	1.91	+0.76	1.01	6	10.1	5	20	6	5	n.	A. S. Cumming
Brookfield	Linn	767	2	....	.....	..	..	..	..	2	....	.....	....	..	....	..	..	..	..	.....	.....
Brunswick	Chariton	652	62	27.6	− 3.0	59	5	−10	16	64	1.70	+0.03	0.63	6	11.0	6	19	2	10	sw.	O. K. Benecke
Cauton, Lock & Dam 20	Lewis	488	5	27.8	.....	57	4	−10	15	13	1.66	+0.03	0.89	10	11.5	6	15	3	13	nw.	Lockmaster
Chillicothe	Livingston	779	34	26.0	− 3.9	60	4	−11	15	37	1.85	+0.43	0.75	6	15.0	5	19	2	10	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	44	29.2	− 1.8	59	4	−15	15	34	2.23	+0.51	0.70¶	28	16 0	5	12	9	10	nw.	Dr. A J. Bradsher
Columbia	Boone	740	58	29.4	− 4.6	61	4	− 9	15	53	2.17	+0.31	1.01	9–10	14.5	6	10	7	14	n.	U. S. Weather Bureau
Conception	Nodaway	980	54	27.0	− 2.2	62	4	−12	15	59	1.65	+0.77	1.08	6	5.2	5	10	12	9	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	23	27.2	− 3.2	62	4	−18	15	40	1.83	+0.71	0.76	10	10.5	6	3	18	10	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	12	29.6	− 4.8	59	4	− 6	16	12	1.63	−0.58	0.68	28	8.7¶	5	11	13	7	sw.	John Dowell
Fayette	Howard	760	63	28.6	− 2.5	58	4	−11	15	60	1.91	+0.25	0.64	6†	12.0	5	16	4	11	n.	Irvin E. Schnell
Fulton	Callaway	818	55	28.4	− 5.1	60	4	−10	15	51	2.23	+0.22	0.80	10	15.2	6	12	8	11	w.	Frank E. Hillgartne
Grant City	Worth	1,134	39	27.2	− 0.8	64	4	−14	15	51	1.16	+0.10	0.72	6	8.5	4	13	6	12	sw.	Howard Ryholt
Hannibal	Marion	759	51	26.6	− 4.9	57	4	−11	15	59	1.65	+0.11	0.43	6	13.5	6	12	11	8	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	54	30.6	− 1.9	63	4	− 4	15	54	1.47	+0.27	0.61	9–10	9.7	7	11	7	13	sw.	U. S. Weather Bureau
Kansas City Univ	Jackson	908	5	32.0	.....	65	4	− 6	15	5	1.47	.....	0.64	10	8.3	6	11	10	10	n.	University of Kansas City
Kidder	Caldwell	1,020	51	27.2	− 2.0	61	4	−13	15	55	1.98	+0.71	0.94	6	14.0	4	19	0	12	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	54	27.4	− 2.2	57	4	−10	15	61	1.84	+0.08	0.67	10	13.5	6	12	7	12	sw.	P. O. Selby
Lawson	Ray	1,070	5	29 0	.....	60	4	−11	15	5	2.00	.....	0.77	10	14.0	5	19	4	8	nw.	Frank G. Gstrein
Louisiana	Pike	469	49	27.8	− 4.0	58	4	− 8	15	62	1.58	−0.32	....	..	14.5	5	11	11	9	sw.	Stark Bro's Nurseries
Macon	Macon	875	44	26.0	− 4.1	60	4	−12	16	50	2.20	+0.56	0.68	6	16.8	6	11	9	11	sw.	John W. Atwell
Maryville	Nodaway	1,169	53	25.8	− 1.0	60	4	−13	15	49	1.39	+0.31	0.70	6	11.0	4	18	1	12	uw.	R. B. Montomery
Memphis	Scotland	787	4	25.1	.....	63	4	−11	15†	13	0.77	−0.51	0.41	10	6.5	4	16	8	7	sw.	John W. Alexander
Mexico	Audrain	800	54	28.0	− 3.8	61	4	−11	15	65	3.93	+2.02	1.35	10	19.6	8	14	3	14	sw.	Henry D. Llewellyn
Moberly	Randolph	875	6	26.8	.....	58	4	−13	15	6	2.05	.....	0 68	28	13.5	6	11	11	9	sw.	Moberly Water Dept.
New Florence. 1 mi SE	Montgomery	885	0	28.1	.....	59	4	−11	15	1	1.51	.....	0.49	28	15.5	8	11	7	13	n.	U. S. Weather Bureau
Oregon	Holt	1,048	87	28.8	+ 0.1	63	4	−10	15	87	2.80	+1.76	1.45	6	11.0	6	15	9	7	sw.	Miss Mina Wright
St. Charles	St. Charles	520	55	28.4	− 6.5	64	4	− 6	15†	65	1.89	+0.10	0.79	10	8 7	5	9	13	9	sw.	Martin L. Comann
St. Joseph	Buchanan	957	33	29.1	− 0.5	62	4	− 7	15	71	2.32	+1.03	1.10	5–6	12.2	6	15	6	10	n.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	5	28.2	.....	57	4	− 8	15	5	2.05	.....	0.74	6	14.5	5	16	4	11	nw.	Lockmaster
Shelbina	Shelby	779	2	27.6	.....	65	6	−13	15	50	1.24	−0.30	0.66	28	15.4	3	19	4	8	nw.	Guyman Hatcher
Steffenville	Lewis	650	45	26.5	− 4.1	62	4	−14	16	50	1.84	+0.15	0.73	10	14.1	5	14	9	8	sw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	40	....	.....	..	..	..	..	49	....	.....	....	..	....	..	..	..	..	.....	.....
Trenton	Grundy	822	47	28.0	− 1.6	62	4	−10	15	48	1.86	+0.45	....	..	11.0	6	13	13	5	s.	W. H. Estes
Unionville	Putnam	1,062	50	24.7	− 2.9	67	4	−11	16	50	1.18	−0.53	0.56	6	6.5	3	15	9	7	w.	C. D. Wilson
Warrenton	Warren	816	61	....	.....	64	4	−10	15	53	2.16	+0.08	1.63	28	12.7	4	10[d]	4[d]	13[d]	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia	574	71	28.4	− 1.2	58	4†	− 7	15	71	0.94	−0.51	0.44	9	5.7	6	12	9	10	nw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**27.7**	**− 3.0**	**67**	**4**	**−18**	**15**	..	**1.88**	**+0.32**	**1.63**	**28**	**11.9**	**5**	**14**	**7**	**10**	**sw.**	
Southwestern Division																					
Anderson††† 1½ mi SW	McDonald	1,000	39	34.6[a]	− 2.9	63	4	1	15	44	2.68	+0.28	1.35	28	2.2	6	14	3	14	w.	Samuel G. Chamberlain
Appleton City	St. Clair	813	48	31.6	− 3.0	60	4	− 8	15	51	2.57	+0.98	1.65	10	6.0	5	15	4	12	sw.	Rolla Brown
Bolivar	Polk	1,071	40	32.9	− 2.7	62	4	− 7	15	48	1.88	−0.46	0.71	28	4.3	8	9	7	15	sw.	Southwest Baptist College
Boonville	Cooper	650	5	27.4	.....	60	4	−11	16	66	2.84	+1.14	1.60	10	14.5	5	9	8	14	nw.	Boonville Water Dept.
Carthage	Jasper	962	9	34.6	.....	62	4	0	15	19	2 63	.....	0.72	10	2.0	6	8	10	13	n.	Carthage W. and E. Plant
Clinton	Henry	786	50	31.0	− 3.7	61	4	−11	15	56	2.55	+0.68	0.81	28	10.5	8	14	9	8	n.	U. S. Weather Bureau
Eldon	Miller	934	48	29.8[a]	− 4.5	63	4	−11	16	44	2.69	+0.93	1.11	10	9.0¶	8	15	7	9	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	2	32.4	.....	67	4	− 9	16	2	1.18	.....	0.56	10	3.0	3	8	5	18	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	65	29.4	− 1.9	61	4	−12	15	68	1.48	+0.03	0.80	10	4.6	4	8	5	18	s.	John H. Patterson
Jefferson City	Cole	557	53	29.8	− 3.1	64	4	− 9	15†	61	2.21	+0.27	0.98	10	6.0	8	12	5	14	w.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	21	35.0	− 4 2	62	4	− 1	15	38	2.64	+0.75	0.98	9	....	5	12	2	17	n.	Empire Dist. Electric Co.
Lakeside	Miller	595	12	31.3	− 6.0	64	4	− 5	15†	12	2.40	+0.10	0.91	10	8.7	8	10	5	16	sw.	W. S. Frame
Lamar	Barton	980	55	32.0	− 3.2	62	4	− 4	15†	62	2.30	+0.42	1.05	10	4.0	5	12	6	13	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	55	32.8[a]	− 2.0	62	4	−13	15	56	1.62	−0 66	1.10	28	8.0	6	11	7	13	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	58	29.3	− 2.7	62	4	− 7	15	59	2.00	+0 41	0.79	10	11.5¶	6	18	5	8	s.	Mrs. Carrie Loomis
Lockwood	Dade	1,078	37	34.3	− 1.8	61	1	− 3	15	47	2.08	−0 06	0.75	10	3.5	8	11	5	15	nw.	Hubert A. Nieman
Marshall	Saline	779	56	30.2	− 1.7	62	4	− 8	15	53	1.62	−0 13	0.48	6	11.0	5	14	6	11	nw.	Chamber of Commerce
Mountain Grove	Wright	1,463	42	33.5	− 1.2	61	4	− 5	15	46	2.39	−0.02	1.17	28	3.0	5	7	9	15	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	31	....	.....	62	4	..	..	43	3.38	+0.84	1.00	28	4.0¶	6	10[j]	9[j]	3[j]	n.[j]	James C. Williamson
Neosho	Newton	1,011	56	35.8	− 1.3	63	4	0	15	60	3.07	+0.79	0.79	9	4.0	8	4	10	17	se.	U. S. Fisheries Station
Nevada	Vernon	862	50	33.4	− 1.9	62	4	− 5	15	51	2.49	+0.74	1.32	10	5 2	5	12	5	14	ne.	Henry Kraft
Ozark Beach	Taney	700	3	35.4	.....	66	4	1	16	18	2.41	−0.34	1.14	28	0	6	5	18	8	se.	A. J. Sharp
Sedalia	Pettis	910	30	31.0	− 2.9	61	4	−14	15	32	2.09	+0 81	1.21	10	10.2	5	11	6	14	uw.	Dr. J. E Cannaday
Seligman	Barry	1,542	42	35.0[a]	− 2.3	60	1†	− 3	15	40	2.82	+0.62	1.15	27	0.5	6	13[a]	3[a]	14[a]	n.	Floyd E. Fawver
Seymour. 3½ miles NE	Webster	1,642	37	33.4	− 2.0	60	4	− 5	15	37	2.55	+0.29	1.50	28	4.0	5	10	5	16	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	55	32.4	− 3.1	62	4	− 4	15	55	2.66	+0.35	1.21	27–28	2.8	9	8	2	21	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	2	28.4	.....	62	4	−20	15	2	1.93	.....	0.96	10	14.2	7	17	6	8	sw.	H F. Nelson
Warrensburg	Johnson	878	56	31.0	− 2.4	56	1†	− 7	15	63	2.02	+0.48	....	..	10 0	5	15	4	12	sw.	Central Teachers College
Warsaw	Benton	687	42	32.6	− 3.1	62	4	−12	15	48	3.63	+0 91	1 25	10	10.0	6	8	6	17	nw.	Dora B. Johnson
Wasola	Ozark	1,294	2	34.4	.....	63	4	− 3	15	3	2.90	.....	0.89	28	2.1¶	7	12	5	11	n.	A. W. Pinckney
Division means	**and extremes**	.....	..	**32.2**	**− 2.8**	**67**	**4**	**−20**	**15**	..	**2 38**	**+0 30**	**1.68**	**10**	**6.2**	**6**	**11**	**6**	**14**	**nw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	6	33 6	.....	64	4	2	15	6	2.60	.....	0.66	28	T.	8	11	4	16	n.	U. S. Weather Bureau
Arcadia	Iron	926	62	32.4	− 1.9	60	4	− 7	15†	65	1.80	−1 05	....	..	4.5	7	15	5	11	w.	Arcadia College
Birch Tree... ½ mile L	Shannon	1,000	48	36.0[b]	− 3.4	63	4	− 3	15	49	2.26	−0.49	0.95	28	0.3	4	13	7	11	sw.	R. C. Moger
Bragg City	Pemiscot	261	1	....	.....	..	..	..	..	12	....	.....	....	..	....	..	..	..	..	.....	.....
Campbell	Dunklin	314	17	37.2	− 1.2	64	6	6	15	17	2.68	−1.27	1.01	6	0.3	8	12	5	14	ne.	Mrs Ruth Christian
Caruthersville	Pemiscot	265	47	37.6	− 3 3	64	4	10	15†	51	3.49	−1 05	0.90	6	T. ¶	9	14	2	15	n.	Victor T. Malloure
Crystal City	Jefferson	420	9	33 6	− 0.8	68	4	− 5	16	9	1.74	−0 80	0.79	28	3.7	6	12	2	17	nw.	Richard K. Ragland
Doniphan	Ripley	314	39	36.4	− 1.4	72	4	1	15	39	1.64	−2.08	0.80	6	T ¶	4	15	1	15	n.	Boyce Lackey
Farmington	St. Francois	896	32	33 8	− 2 9	65	4	− 5	15	46	1.69	−1.11	0.73	28	3.5	8	11	1	19	s.	F. M. Karsch
Goodland (near)	Iron	1,000	50	31.8	− 3.0	64	4	−11	15	50	1.89	−0.56	0.89	28	2.2	6	10	6	15	ne.	Claude Volner
Greenville	Wayne	381	34	35.2	− 1.0	66	4	− 1	15	36	1.91	−1.45	0.71	6	0.2¶	6	15	2	14	nw.	Benford Shoemake
Jackson	Cape Girardeau	428	52	34.8	− 1.8	60	4†	0	15	53	2.67	−0.76	0.87	6	1.0	8	14	1	16	n.	John G. Putz
Koshkonong	Oregon	958	42	36.5[a]	− 1.9	64	4	1	15	43	2.41	−1.07	0.87	6	T.	5	11	9	10	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	6	34 6	... ..	65	4	2	15	6	0.76	.....	0.26¶	28	5.0¶	3	11	6	14	n.	U. S. Forestry Service

Continued on next page

Climatological Data for December 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	0	36.1	.....	66	6	6	15	0	2.59	.....	0.66	25	0.3	10	9	3	19	n.	U. S. Weather Bureau
Marble Hill	Bollinger	470	48	34.9	− 1.8	66	4	− 4	15	50	1.68	−1.99	0.45	28	T	8	13	4	14	s.	R. A. DeWitt
Poplar Bluff	Butler	339	38	35.7	− 2.1	63	4†	− 2	15	39	2.11	−1.85	0.95	6	0.5	6	20	5	6	n.	Joe Roehm
Rolla	Phelps	1,202	43	31.4	− 3.2	64	4	− 9	15	59	1.76	−0.42	....	..	7.0	6	9	14	8	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	106	32.5	− 2.4	63	4	1	15	106	1.85	−0.36	0.68	9–10	4.3	9	11	5	15	nw.	**Section Center**
St. Louis Airport	St. Louis	556	6	30.6	− 2.8	61	4	− 4	15	12	1.77	+0.04	0.65	28	6.1	7	8	13	10	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	31	32.5	− 2.6	62	4	0	15	31	2.09	−0.35	0.69	28	6.5	10	11	2	18	nw.	St. Louis University
Salem	Dent	1,173	39	34.2	− 1.2	64	4	− 5	15	42	1.71	−0.83	0.95	28	3.5	5	12	5	14	n.	E. E. Martin
Sikeston	Scott	318	36	34.8	− 2.9	66	6	3	16	46	3.20	−0.74	1.02	6	0.2¶	7	9	7	15	ne.	William B. Seabaugh
Union	Franklin	520	5	34.6	.....	65	4	− 3	17	26	1.67	−0.54	0.81	10	5.5	4	12	7	12	n.	Columbus L. Canlo
Vichy .....2 mi. NW	Maries	1,125	7	31.0	.....	63	4	−10	15	8	1.83	.....	0.70	10	4.0	6	8	6	17	s.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	4	34.2	.....	66	4	2	15	4	1.99	.....	0.86	6	T.	9	11	6	14	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	2	33.6	.....	66	4	− 5	15	3	1.79	.....	0.67	6	5.0	6	14	5	12	n.	William J. Miller
West Plains	Howell	1,005	6	33.4	.....	62	4	0	15	6	2.36	.....	0.90	5	2.5	6	9	6	16	n.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	2	32.8	.....	63	4	− 2	15	36	2.25	−0.55	0.78	28	T. ¶	6	14	2	15	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	71	36.1	− 1.7	60	4	5	15	72	2.56	−0.84	0.94	5–6	0.5	10	10	5	16	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	34.1	− 2.2	72	4	−11	15	..	2.04	−0.88	1.52	26	2.3	7	12	5	14	n.	
State means	**and extremes**	.....	..	31.3	− 3.0	72	4	−20	15	..	2.10	− 0.09	1.68	10	6.8	6	12	6	13	n.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+).

All completed reports are used in determining section and division means. Reference letters [a], [b], [c], appearing in the table indicate number of days missing; for example, [b], represents two days, etc.

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated.

† Also on other dates. †† Received too late to be included in means and summaries. ††† Formerly carried as Dean.

¶ Estimated. ‖ Partially estimated.

NOTE:—In addition to the stations shown on daily temperature page, records of daily temperatures are kept at the following stations in Missouri: Advance, Albany, Anderson(near), Appleton City, Bethany, Bolivar, Boonville, Brookfield, Campbell, Canton Lock No. 20, Carthage, Clifton Hill, Columbia Airport, Conception, Elsberry, Fort Leonard Wood, Fulton, Goodland(near), Greenville, Kansas City University, Kidder, Kirksville Airport, Koshkonong, Lakeside, Licking(near), Lockwood, Malden, Marble Hill, Memphis, Mount Vernon, New Florence, Ozark Beach, St. Joseph Airport, St. Louis Airport, St. Louis University, Saverton Lock No. 22, Seligman, Seymour (near), Shelbina, Steffenville, Sweet Springs, Tarkio, Vichy, Wappapello Dam, Warsaw, Washington University(St. Louis), Wasola, and Willow Springs.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for December 1943

(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Mean temperature	42	37	36	43	41	42	40	41	40	38	36	37	28	24	6	11	23	26	36	32	34	28	18	24	30	36	34	30	20	24	31	31.3
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.054	.014	.005	.014	.037	.020	.032	.009	.008	.037	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Mean temperature	38	39	36	46	44	43	42	45	44	36	33	35	22	19	6	10	20	25	37	32	35	24	14	20	28	36	38	32	25	23	27	29.2
	Wind movement	38	39	46	16	20	33	47	38	27	65	35	39	83	35	71	20	6	33	20	34	45	45	79	34	31	24	12	44	63	13	22	1157

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 67)

MISCELLANEOUS PHENOMENA

Fogs.—Heavy, 3d, 4th, 5th, 6th, 7th, 8th, 10th, 11th, 25th, 26th, 27th, 28th, 29th, 30th, 31st.

Glaze.—10th, 13th, 24th, 25th, 26th, 27th, 28th, 30th.

Sleet.—9th, 10th, 14th, 24th, 25th, 27th, 28th, 30th.

Windstorms.—No damaging winds reported.

Mr. F. M. Adams, our Cooperative Observer at Goodland, since the establishment of that station, on January 1, 1905, recently resigned, due to the fact that he and Mrs. Adams were moving to Ironton to reside. Mr. Adams, with the assistance of his wife, kept a complete and accurate record of the temperature, precipitation and general weather conditions at Goodland for 39 years. Few of our Observers have served continuously for such a long time. The Weather Bureau is indebted to these folks for their fine services and takes this means of publicly expressing its appreciation. Their community, likewise, is obligated to these faithful servants.

ERRATA

September 1943, page 51: Mean temperature at Vichy should be 65.6.

October 1943, page 56: Date of greatest 24-hour precipitation at Anderson should be 24; date of maximum temperature at Advance should be 1. Page 60: Maximum temperature on 2d at West Plains should be 74.

November 1943, page 62: Date of minimum temperature at Louisiana and at Steffenville should be 11† and 16, respectively; total snowfall at Saverton should be 0.6; total precipitation and number of days with 0.01 inch or more of precipitation at Vichy should be 1.41 and 4, respectively. Page 63: Date of maximum temperature at West Plains and at Wappapello Dam should be 19. Page 64: Precipitation on 18th at New Forence should be blank. Page 65: Precipitation on 8th at Vichy should be .02; total should be 1.41. Page 66: Minimum temperature on 8th at West Plains should be 26.

Daily Precipitation for December 1943

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand					.04	1.15			*	.48				.10														.05				1.82
Amity[2]	....do						1.01				.75				.11														.36	T.			2.23
Bethany	....do						1.01			.20	.45				.15														.10				1.91
Bowling Green[2]	Mississippi							.45			.76				T.	T.													*	.79			2.00
Brookfield	Grand																																
Brunswick[2]	....do						.63				.62				.03	.15												T.	.15	.12		T.	1.70
Canton, Lock No. 20[2]	Mississippi						.38	.01			.89				.04												T.	T.	.06	.28			1.66
Centralia[2]	....do						.55				.98				.21														.93				2.67
Chillicothe[2]	Grand						.75				.52				.21													T.	.27	.10			1.85
Chillicothe[2] (A)	....do						.80				.98				.13														.22	.08			2.21
Chillicothe[2] (B)	....do						.80				.59				.23												.03		.70		T.		2.23
Clifton Hill	Chariton						.68				.59				.23												T.	T.	.46		T.		2.17
Columbia [1‡]	Missouri					.50	.04			.53	.48				.16														T.				1.65
Conception	....do					.03	1.08			.10	.38				.06														.25		T.		1.83
Edgerton	....do					.19	.48			.05	.76				.10												T.		.11	.11			1.44
Edina[2]	Mississippi						.41				.65				.16														.68				1.63
Elsberry	....do	.07					.22				.57				.09												T.		.42	.33			1.73
Elsberry S. C. S.[2]	....do		.07				.25				.60				.06	T.												T.	*	.40			1.71
Farber[2]	....do						.62				.65				.04												T.	T.	.40		T.		1.91
Fayette	Missouri					T.	.64			.04	.64				.19													T.	.53	.17	T.		2.23
Fulton[2]	....do						.55				.80				.13	.05											T.		.36	T.			1.97
Gallatin[2]	Grand						.82		T.		.68				.11																		1.16
Grant City	....do					T.	.72			.06	.31				.07												T.	T.	.42				1.65
Hannibal[3] (A)	Mississippi					.18	.43			.25	.28				.09														.37	.65			3.50
Hannibal[2] (B)	....do						1.57	.06			.60				.25	T.													.35	.25			1.73
Hermann[2]	Missouri						.30	T.			.75				.05	.03																	0.76
Kahoka[2]	Mississippi						.28	.08			.30				.10													T.	T.	.40		T.		1.47
Kansas City Airport[1‡]	Missouri					.25	.06			.39	.22			T.	.10												T.		.25		T		1.47
Kansas City University	....do					.05	.27		T.	.19	.64				.07														.27				1.98
Kidder[2]	Grand						.94				.70				.07														.38				2.02
King City	Missouri					.06	.81			.20	.43				.13												T.	.01	.33		T.		1.84
Kirksville	Mississippi					T.	.56			.10	.67				.17												T.	T.	*	.32			1.67
LaBelle[2]	....do						.55				.65				.15													T.	.25		T.		2.00
Lawson	Missouri					T.	.65			.15	.77				.18														*	.30			1.55
Linneus[2]	Grand						.50				.50				.25														*	.75			1.58
Louisiana[2] (A)	Mississippi						.10				.65				.08														*				2.20
Louisiana[2] (B)	....do						.62	.03			.66				.08	.04												.02	.21	.54			1.67
Lucerne[2]	Grand						.73				.44				T.														T.	.50			2.20
Macon[2]	Chariton						.68				.63				.15	.27												T.	.32	.15			2.32
Madison[2]	Mississippi						.64				.67				.23	.01													.47	.30			1.39
Maryville	Missouri					T.	.70			.15	.45				.09																	.02	0.77
Memphis[2]	Mississippi						.23				.41				.11																		3.93
Mexico[2]	....do						.60	.10			1.35				.20	.03												.05	1.05	.55			1.94
Milan[2]	Grand						.68				.62				.21														.32	.11			2.05
Moberly[3]	Mississippi					.27	.29			.34	.21				.23														.68				1.80
Monroe City	....do						.32				.53				.12														.83				1.51
New Florence[4]	Missouri	.01				.27	.02			.29	.33				.09											T.	T.	.01	.49		T.		2.80
Oregon	....do					.25	1.45			.20	.60					.20											T.		.10				1.72
Palmyra	Mississippi						.47				.70				.11												T.	T.	.44				2.03
Paris[2]	....do						.57	T.			.65				.19	.01													.40	.21	T.		1.69
Perry	....do						.50				.58				.09														*	.52			
Philadelphia[2]	....do																																
St. Charles[2]	Missouri						.35				.79				.05												T.	T.	.10	.60			1.89
St. Joseph[1‡]	....do					1.04	.06			.61	.06			T.	.12												T.	T.	.40				2.32
Saverton, Lock No. 22[2]	Mississippi						.74	T.			.60				.22	T.											T.		.21	.28			2.05
Shelbina	....do					T.				.40					.18												T.	T.	.66				1.24
Shelbyville[2]	....do						.68				.58				.18	T.													.90	T.			2.34
Steffenville	....do						.55			.01	.73				.14												T.		.41				1.84
Tarkio	Missouri																																
Trenton	Grand					*	.69			.30	.40				.11														.36				1.86
Troy[2]	Mississippi		.02				.35	T.			.65				.15	T.											T.	T.	.80	.60			2.07
Unionville[2]	Chariton						.56				.48				.14																		1.18
Warrenton	Mississippi					T.	.23				.20				.10														1.63				2 16
Keokuk, Iowa[3]	....do					.22	.13			.44	.07			.03	.05											T.	T.	T.			T.		0.94
Southwestern Division																																	
Altona[2]	Osage						.25				1.50				*	.18												T.		*	.50			2.43
Anderson[2]	Neosho	T.			T.		.34			.30	.48	.10															T.		.06	1.35			2.63
Appleton City	Osage					.08	.22				1.65				.18															.41				2.57
Ava Ranger Station[2]	White						.50	.30			.25	.51																		1.35				2.91
Bakersfield[2]	....do					.85				.26	.02	.02																						
Bolivar	Osage	T.		T.		.23	.07			.09	.59				.03								.01				T.	.12	.74				1.88
Boonville[2] (A)	Missouri						.50	T			1.60				.25														.41	.08			2.84
Boonville[2] (B)	....do						.53	T.			1.04	1			.15	.03												T.	.12	.20		T.	2.07
Buffalo[2]	Osage		.02				.26			.01	.55	.15				.04													1.40	.17			2.60
Butler[2]	....do						.21				1.66	T.			.15								T.			.01			.30				2.33
Caplinger Mills[2]	....do						.47	T.			.92	T.				.10													*	.80			2.29
Carthage	Neosho					.28	.07			.64	.72																		.42	.50			2 63
Clinton[4]	Osage					.18	.03			.52	.75				.12														.12	.81		.02	2.55
Concordia	Missouri						.51		T.		.81				.17															.20		T.	1.69
Crocker	Osage		T.			.05	.10		T.	T.	.72				.08														.86				1.81
Eldon[2]	Missouri						.45	.03			1.11	.10			.13	.09											T.			.50	.28			2.69
Eldorado Springs	Osage					.19	.06			T.	1.08				.10												T.	T.	.64				2.07
Elijah	White					.03	.89			.40	.28																.01		*	.68				2.29
Fort Leonard Wood[2]	Gasconade		T.				T.			T.	.56				.12															.50		T.	1.18
Galena[2]	White		.02				.43			.21	.45	.11			.03															1.50				2.78
Hailey	....do						.25	.06		.25	1.68																		.98	.51			3.23
Harrisonville[2]	Osage						.23				.80				.06															.39				1.48
Jefferson City[2]	Missouri						.46				.98	.02			*	.25												.08		.28	.14			2.21
Joplin[4]	Neosho					.31			.05	.98	.55																T.		.75				2.64
Lakeside[2]	Osage		T.				.40	T.		T.	.91	.08			.09	.01								T			T.	T.	.75	.12		.61	2.40
Lamar[2]	Neosho						.35			.05	1.05	.05				T.													.80				2.30
Lebanon[2]	Osage	T.	.02				.18			.15					.15														.02	1.10			1.62
Lexington[2]	Missouri						.41				.79				.18														.06	.45	.08			2.00
Lockwood	Osage					.26	.01			.30	.75				.05								.03						.45	.20			2.08
Macomb[2]	White						.62			.30	.39	.12				.02													1.44	.08			2.97
Marshall	Missouri						.48			.01	.40				.30														.40				1.62
Marshfield[2]	White		.06				.17			*	.67					T								.01					1.43	T.			2.34
Mountain Grove	....do	T.					.48			.42	.30				.02												T.	T.	1.17				2.39
Mount Vernon	Neosho					.20	.52			.72	.72				T.														.22	1.00			3.38
Neosho	...do					.26	.05			.79	.58				.02											.02			.70	.65			3.07
Nevada	Osage					.22	.10			T	1.32				.02								T.					T.	.83		T.		2.49
Osceola[2]	...do						.40				1.22	T.			*	.08													*	.84			2.54
Ozark Beach[2]	White	.09					.62			.13	.30	.13																	1.14				2.41
Pierce City[2]	Neosho	T.					.36	T		.33	1.12	T.			T.	T.											T.		1.23				3.04

Continued on next page

Daily Precipitation for December 1943—Continued from preceding page

Stations	Drainage-basins	Day of month																															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Pinoview Lookout[2]	White						.55			.35	.70	.01																	1.33				2 94
Pleasant Hill[2]	Osage						.28				1.10				.14	.05													*	.84	.08	*	.02	2.01
Roby	Gasconade					T.	.23	T.		.22	.39				.02								T.						.25	.72				1.83
St. Thomas[2], 2¼ mi SW	Osage						.34				.87	T.			.20															.40	T.			1.81
Sedalia	Missouri						.35			.02	1.21				.16															.35				2.09
Seligman	Neosho					.33	.15			.75	.24				T.											T.		1.15	.20					2.82
Seymour	White						.08			.39	.38				T.														.20	1.50				2.55
Shell Knob[2]...3 mi. SE	....do		.02				.67			.37	.57	.02																		1.19				2 84
Silloam Sprgs Lookout[2]	....do						.90			.23	.20																			.50	.20			2.03
Springfield[1‡]	....do	.01	.01	T.		.31	T.	T.	.09	.67	.26				.01								T.			T.	T.	.86	.35		T.			2.66
Stover[2]	Missouri						.42				*				1.30														*	.40				2.12
Sugar Camp Lookout[2]	White																																	
Sweet Springs	Missouri					T.	.41			.01	.96				.18														.02	.30		.02		1 93
Tecumseh[2]...¼ mi. W	White						.83				.27	.13																	.95					2.18
Topaz[2]	....do	T.					.77				.33	.20				T.													1.09					2.43
Vanzant[2]....3¾ mi. SE	do						.90			.18	.27	.12				T.														*	1.13			2.60
Warrensburg	Missouri						.27			*	1.23				.10														.42					2.02
Warsaw[2].....(A)	Osage						.38	T.			1.25	T.			*	.55												T.	*	.85	T.			3.03
Warsaw[2].....(B)	....do						.35	.03			1.46	.07			.08	T.												.22	.61	.14				2.96
Wasola	White					*	.97			.22	.51				T.												.01		.30	.89				2.90
Waverly[2]	Missouri						.48	T.			.69				.15	T.														.25	T			1.57
Wilderness[2]	White					.05	.75				.85																			.50				2.15
Southeastern Division																																	
Advance[4]	St. Francis	T.				.49	.53	T.	T.	.12	.18				T.										T.	.52	.01	.06	.66					2.60
Alton..... 10 miles SE	Black						.87			.21	.27															.15			.75					2.28
Annapolis	St. Francis						.75				.35				.08														.85					2.03
Annapolis[2] 4½ mi. NW	....do		T.				.75	T.		.08	.13	.12			T.	.05													.80	.07				2.00
Arcadia[2]	....do						.60			.25	.13			.02	T.	.15										T			*	.65				1.80
Banner[2]	Black			.01			.47			.13	.27	.13				.05	.05												.51	.20				1.86
Belleview	Meramec	T.	T.				.45	T.	T.	.15	.31					.07										.01			.90		T.			1.89
Birch Tree	Black	T.					.78			.28	.25				T.														.95					2.26
Bunker[2]... 4 miles NW	Black						.63	.03	.02	.17	.22	.10			.01	.03										.07	.01	.02	.04	.05				1.43
Campbell	St. Francis						1.01	T.	T.	.17	.28				.01	.01										.25	.60	T.	.35					2.68
Cape Girardeau[2]	Mississinpi			T.			.74	T.		.06	.04	.08				.02										.02	.40	T.	.21	.04				1.61
Caruthersville[3]	....do						.90			.46	.30	.33			T											.48	.35	.10	.50	.07				3.49
Centerville[3]	Black						.59	T.		.15	.19	.05			.02	.09											.03		.89	.04				2.05
Cook Station[2]	Meramec			T.			.30				.05	.45			*	.05										T.			.82	.10				1.77
Crane Mountain[2]	St. Francis						.77			.16	.12	.09			T.	.05											.02	.01	.67	T.				1.89
Crystal City	Mississippi	T.	.01				.34			T.	.52				*	.08										T.	T.	T.	.79		T.			1.74
Cuba	Meramec						.33			.03	.64				.08												1.52		.48	T.				2.01
Deering[2]	St. Francis						.86			.25	.06	.43																	.93					3.60
De Soto[2]	Mississippi		T.	.02			.39			T	.47	.07			T.	.05										.03	.93	.03	.47	.43				1.90
Dexter[2]	St. Francis						.95			.27	.06	.19				.05													.16	.27				2.94
Doniphan	Black						.80		T.		.26				T.	T.											.17		.41					1.64
East End[2]	Meramec						.55				.38																		.36					1.29
Eastwood Lookout[2]	Black						.72			.20	.14	.15				.06													.65	T.				1.92
Ellington[2]	....do																																	
Ellsinore Lookout[2]	....do						.90			.60		.40				.06										T.		.16	.22					2.34
Farmington	St. Francis	T.	T.				42	.01		.11	.32				.05											.01	.01	T.	.73		T.			1.69
Fisk[2]	....do			T.			.79			.11	.13	.32			T.	.09										T.	.76		.29	.14				2.63
Fredericktown[2]	....do														T.	.05										T.			.60	.22				0.87
Gerald[3]	Meramec		T.	T.			T.			T.	1.10	T.			.20	T.													.55	.07				1.92
Goodland	Black	.03	T.				.49	T.		.21	.22				.05											T.	T.	T.	.89					1.89
Greenville	St. Francis						.71			.20	.25				*	.25													.50					1.91
High Lookout[2]	Black		T.				.75			.20	.15	.06				T.										T.								1.93
Jackson	Mississippi						.87		.02	.16	.21				.03												T		*	.77				2.67
Jefferson Barracks	Mississippi	.01	T.	T.			.31				.71				02	T.										.27	.42		.69					1.78
Jerome[2]	Gasconade						.20				.50				45	.15											*	.05	.65	T.				1.50
Koshkonong	Black						.87	T.	T.	.48	.27				T.											T.	.11	T.	.68					2.41
Leeper[2]	....do						.81			.20	.16	.16				.02													.61	.06				2.02
Licking	Gasconade		T.				T			T.	.30				.10								T.					.36					0.76
Macedonia Lookout[2]	Black						.82			.21	.12	.22				.02													.50	.06				2.10
Malden[4]	Mississippi	T.		T.		.38	.49	T.	.09	.11	.25				.03										T.	.66	.18	.05	.35		T.			2.59
Marble Hill	....do						.34			.21	.19				*	.10										.08	.31		.45					1.68
Meramec Park[2]	Meramec		T.	T.			.29	T.			.34	.30			T.	.08											T.		.38	.11		T.		1.50
Morehouse	Mississippi						1 00		.02	.31	.30				T											.19	.49		.51					2.82
Moselle[2]	Meramec						.28				.70				.04	.07													.80					1.89
New Madrid[2]	Mississippi																									.17	.55		.22					||||||
Owensville[2]	Gasconade						.22				.85	T.			T	.07												T.	.45	.60					2.19
Pacific[2]	Meramec						.34				.68				T	T.													*	.70					1.72
Parma[2]	St. Francis						1.08			.14		.16			T.											.10	.81		.35	.05					2.69
Perryville	Mississippi						*			*	*				*											*	*		*					2.00
Pilot Knob[2]...2 mi. NE	St. Francis						.50	.01	.05		.16	.13		T.	.15											.01	.03		.50	.29				1.83
Poplar Bluff[2] ....(A)	Black						.95				.20	.30				.05											.29		.35					2.14
Poplar Bluff[2] ....(B)	....do						.94			.19	.07	.25				.05										T.	.26	T.	.45	.06				2.27
Reynolds[2]	....do						.58			.15	*	.12				.18													.87					1.90
Richwoods[3]	Meramec		.03				T	T.			.41	T			.13	T.													.90	.18		T.		1.65
Rolla[2]	....do		T.				.20	T.			.65				.07	.04										T.	T.	*	.80		T.			1.76
Round Spring[2]	Black						.57			.14	.23	.13				T.													.79					1.86
St. Louis City Office[1‡]	Mississippi	.02	T.			.22	.15	T.	T.	.06	.62				.09											T	.03	.01	.65		T.			1.85
Airport[4]	Missouri	T.	T.			.26	.09		T.	.15	.54				.07											T.	T.	.01	.65		T.			1.77
St. Louis Univ.[3‡]	Mississippi	.03	.01			.19	.13	T.	T.	.25	.54				.20											T.	.02	.03	.69		T			2.09
Washington Univ.[2]	....do						.42				.75				.01	.02													*	.70				1.93
Salem	Meramec		T.				.30			.16	.59				.06	T.										T.	T.	T.	.95		T.			1.71
Sikeston[2]	Mississippi						1.02	T.		.33		.25				.16										T.	93	T.	.25	.26				3.20
Summersville	Black	T.					.53	T.		.40	.20				T.								T.		T.	T.	T.	.98					2.11
Union	Meramec						.26				.84				.08														.49					1.67
Valley Park[2]	....do		T.	T.			.37	T.		T	.64	.11			T.	T											T.	T.	.04	.80		T.		1.96
Van Buren	Black						.85			.31	.28				.03														.72					2.19
Vichy[4]	Meramec	T.	T.			.15	T.	T.		.15	.70				.08											T.	T.	.25	.50		T.			1.83
Wappapello Dam[2]	St. Francis						.86			.13	.05	.19				.01										T.	.24	.01	.42	.08				1.99
Weingarten	Mississippi						.67			.10	.35				.07														.50	.10				1.79
West Plains[4]	Black	.01	T.			.90	T	T		.34	.21				T.											T.	T.	.47	.43					2.36
Williamsville[2]	....do						.81	.02		.17	.13	.20				.01											.07	.02	.48	.08					1 99
Willow Springs[2]	White						.71			.07	.37	.16			T														.78	.16					2.25
Winona Ranger Sta.[2]	Black		T.				.72	T.	T.	.16	.19	.11				.04										T.	.04		.75	.04					2.05
Zalma.....3½ miles S	Mississippi	T					.78			.10	.25				T.		T.										.52		.60						2.25
Cairo, Ill [1‡]	....do	T.		T.		.07	.87	T.	.06	.20	.27				.05										T.	.45	.07	.04	.48		T.				2.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation is for 24-hour period, midnight to midnight. [4] Precipitation for 24-hour period 12:30 A. M. to 12:30 A. M. ‡ Precipitation measured with recording gage, except when it falls as snow, sleet, or hail, and in freezing weather. * Included in next measurement. T. Trace, or precipitation less than 0.01 inch. ¶ Estimated. ‖ Partially estimated. |||||| Incomplete. (A) Records from cooperative station gage. (B) Records from river station gage.

Daily Temperatures for December 1943

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick §§	Maximum	58	41	46	58	59	46	41	50	42	39	42	41	26	20	14	20	35	42	44	40	38	26	18	32	44	38	36	29	33	30	32	37.4
	Minimum	30	31	20	19	31	34	25	26	38	31	19	17	14	12	− 9	−10	− 2	4	21	22	23	20	4	1	17	21	33	25	3	4	25	17.7
Chillicothe §§	Maximum	57	39	45	60	56	44	41	50	39	39	40	40	23	14	11	20	36	43	41	40	35	25	21	30	35	40	31	27	30	31	32	36.0
	Minimum	27	31	18	19	31	37	25	27	36	28	13	19	9	9	−11	−10	− 3	10	23	21	20	16	− 2	− 1	19	19	24	21	− 2	− 1	20	15.9
Columbia	Maximum	55	42	46	61	57	50	43	48	43	40	43	42	30	23	11	22	37	40	43	40	39	28	17	33	41	39	37	31	30	29	31	37.8
	Minimum	37	28	25	32	40	38	37	38	33	26	20	30	14	− 5	− 9	− 6	3	23	28	24	25	11	4	12	25	33	29	13	3	18	23	21.0
Fayette	Maximum	57	52	46	58	56	49	42	51	46	41	40	40	35	20	12	20	35	42	42	39	36	30	18	31	41	38	37	30	31	28	30	37.8
	Minimum	32	30	21	28	32	38	30	36	33	32	14	28	10	2	−11	− 9	− 2	21	22	20	25	17	2	7	20	32	29	22	− 2	17	22	19.3
Grant City	Maximum	55	46	45	64	54	50	47	47	40	43	40	42	35	20	13	20	35	39	44	35	36	32	16	29	43	36	35	30	26	31	38	37.5
	Minimum	31	30	33	33	33	32	22	29	30	25	10	26	4	− 3	−14	− 5	3	12	21	11	24	13	− 6	3	13	27	23	17	8	21	21	17.0
Hannibal	Maximum	53	42	45	57	55	48	42	49	42	37	37	39	25	20	11	21	32	36	41	36	36	24	14	28	37	37	35	30	30	25	30	35.3
	Minimum	36	27	21	30	32	32	31	38	30	26	15	22	8	− 3	−11	− 5	4	20	23	19	21	7	− 2	4	20	30	27	19	8	9	17	17.9
Kansas City Airport	Maximum	56	42	46	63	57	52	43	51	42	39	44	42	29	25	13	23	37	43	42	43	37	27	18	33	45	38	35	26	30	31	34	38.3
	Minimum	35	29	22	36	43	30	27	38	32	29	20	29	16	− 1	− 4	10	14	24	32	26	25	13	6	17	20	35	26	18	11	26	26	22.9
Kirksville	Maximum	55	50	39	57	55	52	37	50	45	37	37	40	35	18	10	16	31	36	40	37	34	29	13	27	36	36	36	28	28	28	29	35.5
	Minimum	36	30	21	32	33	33	25	31	31	28	17	27	7	2	−10	− 4	7	22	27	19	26	12	− 3	4	19	32	25	23	11	15	17	19.2
Lawson	Maximum	57	52	45	60	55	50	39	50	45	40	42	45	35	25	11	20	36	40	42	36	38	33	15	35	46	38	36	35	36	30	35	38.8
	Minimum	35	25	19	30	35	32	25	32	32	27	12	25	12	− 1	−11	− 3	11	20	27	28	32	15	6	7	22	28	18	18	3	12	22	19.2
Louisiana §§	Maximum	53	45	46	58	55	49	45	48	45	40	39	40	36	28	22	25	34	37	44	37	39	33	33	29	38	39	40	34	33	27	30	38.7
	Miuimum	26	29	20	20	27	29	35	36	38	32	13	13	12	13	− 8	− 7	− 2	3	22	20	22	10	3	3	10	17	33	29	6	7	13	16.9
Macon §§	Maximum	58	39	46	60	56	44	41	53	40	37	39	40	22	18	10	19	34	38	42	38	38	27	16	29	42	38	35	31	32	27	28	36.0
	Minimum	29	28	21	20	32	34	25	31	36	30	16	18	7	8	−10	−12	− 8	9	18	18	18	15	− 2	− 2	15	19	32	24	5	3	17	15.9
Maryville	Maximum	54	44	43	60	55	45	45	43	38	39	39	39	33*	17	11	22	33	38	40	38	31	26	14	28	39	34	33	27	25	26	33	35.2
	Minimum	34	29	16	28	32	31	22	29	28	22	11	22	3	− 5	−13	− 4	4	17	23	19	21	13	− 6	4	15	28	21	16	9	20	20	16.4
Mexico §§	Maximum	53	44	50	61	56	46	44	50	42	42	43	44	28	20	14	25	38	44	45	41	40	26	17	30	40	41	38	31	33	29	31	38.3
	Minimum	34	30	20	23	27	39	35	35	39	29	18	23	10	9	−11	−10	− 2	10	22	21	22	19	0	0	3	23	31	27	2	5	16	17.7
Moberly §§	Maximum	57	41	47	58	54	43	41	51	40	36	39	39	24	19	11	22	33	38	43	37	38	26	17	30	43	37	35	30	32	27	29	36.0
	Minimum	29	29	21	22	34	39	28	32	37	30	16	18	10	11	−13	−11	− 1	9	18	20	20	19	1	1	16	23	32	25	− 1	6	21	17.5
Oregon	Maximum	57	50	47	63	54	50	48	48	42	41	40	42	38	20	12	24	37	37	43	38	34	30	20	30	42	37	35	27	30	29	37	38.2
	Minimum	37	25	19	34	40	32	28	32	30	25	17	26	7	− 2	−10	2	11	20	28	21	25	15	− 2	9	20	30	22	17	7	20	17	19.4
St. Charles §§	Maximum	50	45	49	64	54	51	46	50	46	43	43	44	31	23	− 2	32	35	34	45	34	34	27	15	29	39	39	39	32	19	26	26	36.8
	Minimum	24	31	25	25	32	34	28	38	39	32	21	21	16	11	− 6	− 6	− 2	6	25	22	22	22	7	7	11	29	21	32	13	12	18	20.0
St. Joseph	Maximum	57	42	47	62	52	49	47	51	40	39	42	42	24	22	14	20	38	39	42	40	34	24	16	32	45	36	34	26	30	30	35	37.1
	Minimum	40	27	21	36	40	30	29	34	30	25	19	24	12	− 3	− 7	8	12	23	29	24	23	13	2	13	23	33	25	14	9	24	21	21.1
Trenton	Maximum	57	50	46	62	55	43	38	49	40	39	40	41	33	21	12	18	35	40	41	39	37	30	23	28	40	39	38	39	30	31	31	37.6
	Minimum	31	32	17	31	33	35	23	33	32	27	12	28	10	3	−10	− 3	2	24	24	16	27	13	− 1	3	17	32	22	20	− 1	21	19	18.5
Unionville §§	Maximum	57	40	45	67	56	43	40	50	37	43	38	41	23	9	14	20	34	40	44	37	38	21	17	32	45	38	30	30	34	25	31	36.1
	Minimum	23	24	18	11	30	32	23	24	33	25	15	16	5	4	−10	−11	− 9	3	17	15	12	14	− 5	− 5	10	16	28	19	10	10	15	18.3
Warrenton	Maximum	54	57	49	64	54	54	41	45	48	40	42	44	..	..	..	..	..	..	..	44	42	28	23	31	39	36	44	36	34	27	27	‡41.8
	Minimum	33	..	..	..	..	..	..	..	..	..	..	..	..	..	−10	..	..	..	..	22	21	20	3	7	22	31	31	31	9	12	22	....
Keokuk, Iowa	Maximum	56	39	45	58	58	48	43	54	40	39	37	39	20	18	12	23	33	39	42	39	37	21	15	32	40	37	36	30	36	26	34	36.3
	Minimum	38	31	23	34	37	35	33	40	30	26	19	15	10	− 1	− 7	0	9	23	28	21	20	6	0	7	23	33	27	21	15	17	19	20.4
Southwestern Division																																	
Clinton	Maximum	59	41	47	61	55	52	41	48	43	42	47	47	38	30	16	24	37	45	50	45	42	30	23	37	46	40	36	30	26	35	35	40.3
	Mimmum	35	28	21	30	36	29	29	35	32	31	25	29	18	− 4	−11	5	11	21	28	26	27	14	11	17	25	33	28	17	6	25	17	21.7
Eldon §§	Maximum	55	46	50	63	54	53	42	49	44	41	46	46	31	25	12	20	39	46	48	43	..	30	21	35	42	39	37	31	26	32	33	‡39.3
	Miniuum	25	32	24	22	31	35	36	34	38	32	24	22	22	17	−10	−11	− 3	5	25	25	25	..	10	9	17	29	31	27	7	9	20	‡20.3
Harrisonville §§	Maximum	58	43	47	61	55	47	42	48	41	41	46	41	16	13	13	21	40	45	47	44	42	30	32	33	43	38	33	22	29	33	37	38.1
	Minimum	28	31	23	24	28	36	25	29	38	31	21	27	14	6	−12	− 8	9	13	23	26	29	25	11	11	22	23	31	20	11	18	25	20.6
Jefferson City §§	Maximum	54	44	48	64	55	52	41	49	45	42	46	47	30	21	14	19	35	42	45	43	42	29	21	36	42	40	37	32	24	32	31	38.8
	Miuimum	25	33	25	25	32	42	36	36	37	32	23	25	15	15	− 9	− 9	− 3	8	25	26	26	21	8	8	16	29	35	27	10	8	22	20.9
Joplin	Maximum	60	49	36	62	58	57	45	55	48	40	46	51	38	35	14	24	37	46	50	50	44	33	24	39	35	38	37	33	29	33	40	41.5
	Miuimum	45	34	28	34	47	39	38	43	37	35	38	32	27	4	− 1	10	18	28	34	30	31	22	13	22	30	34	33	24	25	29	20	28.5
Lamar §§	Maximum	58	44	37	62	53	41	43	51	42	41	48	51	40	30	20	28	38	48	53	48	58	35	22	40	40	40	38	26	30	36	40	41.3
	Minimum	27	33	23	23	28	41	32	34	40	32	22	23	22	23	− 4	− 4	14	14	21	25	26	23	10	10	20	30	30	24	20	19	21	22.6
Lebanon §§	Maximum	59	44	50	62	54	..	52	55	41	39	47	48	45	32	15	25	39	46	49	44	44	41	30	37	35	48	45	38	36	32	40	‡42.4
	Minimum	25	39	24	25	32	36	34	38	38	32	22	29	20	11	−13	− 1	11	20	29	23	30	22	7	12	23	30	31	26	20	15	27	23.1
Lexington §§	Maximum	59	44	48	62	55	47	41	52	40	42	43	44	27	14	15	21	37	43	45	43	40	27	22	31	46	39	33	22	34	31	36	38.2
	Minimum	32	31	21	24	35	37	27	34	38	30	22	26	13	13	− 7	− 6	8	16	24	25	26	23	5	4	20	22	32	21	4	9	25	20.4
Marshall	Maximum	59	58	47	62	58	54	41	44	47	44	44	43	42	22	13	19	37	39	37	39	38	35	19	33	40	41	39	28	32	30	34	39.4
	Minimum	37	30	21	31	38	38	28	38	33	31	20	18	13	6	− 8	− 3	7	23	24	24	29	19	3	10	20	20	26	23	7	21	26	21.1
Mountain Grove	Maximum	57	57	45	61	60	55	43	54	53	39	44	48	47	33	17	24	38	47	50	47	47	45	28	35	34	40	40	37	36	35	37	43.0
	Miuimum	34	28	29	30	38	38	35	40	3	34	24	30	23	16	− 5	4	13	25	29	24	28	23	8	11	24	30	32	28	21	19	28	24.0
Neosho	Maximum	61	58	45	63	58	55	44	56	55	43	50	57	49	39	23	28	40	48	50	52	49	44	33	40	39	41	40	37	30	34	41	45.2
	Minimum	40	36	30	25	35	40	37	40	37	38	23	23	22	11	0	10	13	23	24	27	29	22	15	20	27	33	35	27	25	29	21	26.4
Nevada	Maximum	59	52	41	62	55	55	44	51	49	42	48	51	42	31	18	28	38	49	50	47	46	41	29	40	39	38	38	32	28	36	40	42.5
	Minimum	39	32	24	28	35	38	27	34	38	33	23	28	22	8	− 5	6	14	22	26	27	29	26	11	16	25	32	31	21	20	28	19	24.4
Sedalia	Maximum	57	51	46	61	58	49	42	50	46	40	45	44	39	25	12	25	37	43	44	44	39	33	22	36	45	41	40	32	27	40	36	40.3
	Minimum	34	32	18	31	40	38	30	38	35	32	18	26	14	5	−14	− 2	8	20	29	20	30	20	5	9	20	34	30	22	3	21	26	21.7
Springfield	Maximum	60	47	42	62	53	52	46	55	46	38	47	48	34	30	14	26	40	47	49	45	44	34	25	35	39	38	37	36	26	32	37	40.8
	Minimum	35	30	27	25	38	36	36	38	35	29	24	28	23	− 1	− 4	7	15	27	26	23	24	18	8	15	27	31	34	24	21	25	24	24.1
Warrensburg	Maximum	56	54	43	55	56	52	45	44	44	37	43	44	41	25	11	22	35	39	40	40	40	35	25	35	42	42	40	29	25	32	32	38.8
	Minimum	37	31	22	30	40	37	27	38	33	31	24	28	14	7	− 7	5	13	23	31	25	29	23	7	10	23	33	28	23	5	21	27	23.2
Southeastern Division																																	
Arcadia §§	Maximum	55	52	53	60	37	54	49	55	46	42	47	53	38	31	21	28	48	51	50	42	57	37	27	40	39	43	40	46	39	35	40	43.7
	Minimum	20	35	30	29	27	25	38	40	43	35	25	27	25	24	− 7	− 7	− 5	− 2	18	20	21	25	9	5	10	27	32	32	19	14	19	21.1
Birch Tree	Maximum	58	54	47	63	55	55	46	54	52	41	45	52	44	30	18	29	39	50	53	44	53	43	30	37	41	34	36	39	42	33	39	43.7
	Minimum	22	35	30	24	..	..	38	42	39	35	21	24	20	18	− 3	1	4	19	17	26	19	22	9	9	30	31	29	32	20	18	19	‖22.4
Caruthersville §§	Maximum	57	63	55	64	58	60	53	62	55	43	46	56	40	38	22	28	38	57	57	43	57	40	29	33	37	43	49	40	43	35	43	46.6
	Minimum	23	36	42	33	33	35	44	43	52	39	32	29	27	27	30	10	12	16	24	32	26	28	18	18	20	33	34	35	25	22	23	28.5
Crystal City	Maximum	52	51	49	68	62	53	45	56	54	45	46	50	45	29	18	26	42	47	52	49	49	38	28	35	36	43	43	10	37	34	35	43.8
	Minimum	27	33	25	27	27	44	39	35	43	34	22	33	20	16	− 4	− 5	− 1	24	20	25	26	24	9	7	27	33	35	32	13	12	28	23.5
Doniphan	Maximum	59	61	63	72	54	67	49	56	54	50	47	57	57	37	32	28	40	54	58	45	60	46	33	30	37	45	43	39	45	37	40	48.2
	Minimum	23	34	39	24	23	47	42	46	43	39	24	24	23	24	1	3	3	16	16	17	19	22	14	12	25	34	34	35	22	18	19	24.7
Farmington	Maximum	51	50	49	65	60	56	44	54	53	42	45	49	47	30	19	23	39	46	49	47	48	39	26	39	34	42	42	38	33	32	35	42.8
	Minimum	33	40	29	31	39	42	37	42	41	34	23	32	19	18	− 5	− 3	0	26	23	26	30	23	9	7	25	32	36	30	18	15	29	24.9
Jackson	Maximum	54	56	58	60	60	57	50	54	59	46	40	52	51	34	23	29	35	46	49	45	53	46	34	34	36	42	42	41	34	37	37	44.5
	Minimum	28	34	35	27	29	46	40	45	44	37	26	28	23	22	0	1	4	20	19	28	26	26	12	9	9	32	26	32	21	20	20	25.1
Poplar Bluff	Maximum	55	59	55	63	53	63	51	55	54	46	45	55	47	38	25	26	36	51	60	42	58	45	33	31	37	45	42	38	40	35	40	45.9
	Minimum	21	34	37	28	25	46	42	45	43	38	24	26	24	24	2	4	5	21	21	18	26	23	13	13	27	34	33	34	22	18	24	25.5
Rolla §§	Maximum	56	42	50	64	56	53	45	53	42	38	47	48	31	25	13	22	38	45	48	43	45	31	21	37	35	39	38	33	29	32	32	39.7
	Minimum	30	38	25	28	38	42	36	37	40	33	24	26	17	18	− 9	− 7	2	15	27	25	26	24	7	8	19	30	34	31	16	16	27	23.2
St. Louis	Maximum	51	46	45	63	56	52	46	51	46	40	42	42	30	24	11	25	38	39	45	41	42	29	18	34	38	41	44	36	32	31	31	39.0
	Minimum	35	35	31	37	43	40	40	43	33	31	27	30	16	4	1	5	14	30	32	29	29	14	6	13	28	33	35	26	20	21	26	26.0
Salem	Maximum	53	49	54	64	56	52	44	52	49	41	45	50	45	29	14	28	40	48	48	41	46	33	27	40	35	39	39	37	35	32	33	41.9
	Minimum	31	39	26	30	31	40	40	44	40	35	30	31	18	13	− 5	3	6	27	31	25	30	25	9	14	28	32	35	31	21	18	29	26.4
Sikeston §§	Maximum	55	59	53	60	66	62	51	55	49	51	45	57	36	28	20	25	38	49	55	42	57	34	25	36	37	45	38	40	41	37	34	44.5
	Minimum	21	31	40	29	31	35	39	41	47	39	26	25	25	26	4	3	4	7	21	23	24	25	13	12	15	32	34	33	24	25	23	25.1
Union	Maximum	59	54	48	65	62	57	46	56	53	49	49	48	45	32	17	26	43	45	51	50	46	42	34	40	42	43	46	45	36	32	44	45.2
	Minimum	32	32	31	30	30	40	38	34	41	32	26	32	20	10	5	7	− 3	20	19	22	28	21	9	15	27	33	35	31	9	11	26	24.0
West Plains	Maximum	60	55	45	62	57	51	47	57	50	41	45	52	42	33	20	25	40	51	51	42	52	36	27	35	33	43	41	36	42	36	40	43.5
	Minimum	23	34	30	28	24	39	38	40	40	32	25	29	22	7	0	7	6	20	20	20	21	22	11	13	25	30	30	28	20	20	20	23.4
Cairo, Ill.	Maximum	55	59	52	60	56	58	50	55	53	46	41	53	36	31	18	24	34	43	50	39	52	34	24	34	37	41	39	40	36	35	37	42.6
	Minimum	34	46	41	37	37	45	43	49	46	35	30	33	26	10	5	8	14	25	24	30	32	24	15	16	31	35	36	31	24	24	31	29.6

*, †, ‡, etc., indicate respectively, 1, 2, 3, etc., days missing from the record to the preceding day, on which it almost occurs. ¶ Estimated. ‖ Partially estimated. §§ Instruments are read in the morning; the maximum temperature then read is charged

WBO, St. Louis, 1-28-44—1000.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVII ANNUAL SUMMARY 1943 No. 13

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

Outstanding, though paradoxical features of the prevailing weather for 1943, were the disastrous and widespread floods of May and June, which in turn were followed by relatively dry to droughty conditions throughout the remainder of the year, with the most severe drought of record in a few counties in the south-central part of the State. Fortunately, the extent of this drought area was small in comparison with the great State-wide droughts of 1901, 1934 and 1936. The floods of May and June were unprecedented in the Osage River, below Bagnell Dam, and river stages in the lower Missouri River, and in the Mississippi River at St. Louis and below, were the highest since 1903 and 1844, respectively. Severe flooding also occurred in the White River in May. (Special flood reports to be published when completed). Local and minor floods also occurred in January, March, April, and August, mostly in the smaller rivers.

The average annual temperature for the State was exactly normal. January, February, April, June, July, and August averaged warmer than normal, while the other six months were colder. February and August were decidedly warm months, averaging 5.9° and 3.2°, respectively, warmer than normal; March and September were quite cold, with average departures —4.2° and —3.5°, respectively. State temperature extremes for the year ranged from 23° below zero in January to 110° in August; both of these extreme have been exceeded in previous years.

The average annual precipitation was slightly less than normal for the State, as a whole, and also for the Northern Division, while for the Southeastern Division it was considerably less than normal, and for the Southwestern Division slightly more than normal. There was a wide variation between the greatest and least yearly precipitation totals for the State, as well as between the greatest and least monthly totals, thus indicating a very irregular distribution in both annual and monthly falls. May was unprecedentedly wet this year, while June and October both received more than noimal precipitation; all the other months were drier than normal, with January, February, April, July, August, and November having average deficiencies of more than an inch. The monthly total of 25.54 inches at Joplin for May was only 1.84 inches less than the total for the entire year at the Kansas City Airport. Heavy to excessive rains during May and June, in addition to causing severe flooding, resulted in enormous damage by erosion of the soil. Reports indicated that the soil in some fields was washed away to the depth it had been previously plowed.

Snowfall averaged slightly less than normal for the year, but was comparatively heavy in March and December.

Damaging windstorms, hail, and tornadoes were relatively few this year, and were of a more or less local nature. A total of five small tornadoes was reported, two in March, and one each in May, October and November. Fourteen damaging windstorms were reported during the year, with June and July having the greatest number; namely, four each. Heavy hail was most prevalent in April and May, with three occurrences in each month. For details of damage, dates and places of occurrence of these storms, and a detailed month-by-month summary of weather and crop conditions, see the monthly issues of this publication.

(Continued on page 75)

CONDENSED STATE SUMMARY FOR 1943

Month	Temperature				Precipitation				
	Mean	Departure from Normal	Maximum	Minimum	Mean	Departure from Normal	Greatest	Least	No. Days w.th .01 or more
January	31.1	+ 0.3	81	−23	0.39	−1.97	1.41	T.	4
February	39.1	+ 5.9	80	−10	0.94	−1.11	2.16	0.23	4
March	39.7	− 4.2	87	−22	2.63	− 0.53	7.36	0.40	8
April	56.0	+ 0.7	91	18	2.91	−1.02	6.00	1.06	9
May	63.9	− 0.6	95	33	9.91	+5.12	25.54	4.15	16
June	75.8	+ 2.2	101	43	6.39	+1.67	15.71	1.56	12
July	79.6	+ 1.5	104	46	2.49	−1.69	7.72	0.07	6
August	79.8	+ 3.2	110	44	2.46	−1.35	6.94	0.11	6
September	65.8	− 3.5	102	33	3.51	−0.49	7.43	0.43	8
October	56.3	− 1.1	90	19	3.23	+0.26	6.61	0.62	7
November	42.7	− 1.7	81	9	0.93	−1.75	2.27	0.09	3
December	31.3	− 3.0	72	−20	2.10	−0.09	3.93	0.76	6
Year	55.1	0.0	110	−23	37.89	−2.35	25.54	T.	89

COMPARATIVE ANNUAL DATA FOR MISSOURI

Year	Temperature			Precipitation					Number of days		
	Average for State	Highest	Lowest	Average for State	Average Northern Division	Average Southwestern Division	Average Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	52.9	111	−32	40.40	39.67	41.36	40.17	....	81	....	....	....
1889	54.3	107	− 9	38.19	36.97	40.35	37.26	....	85	....	....	....
1890	54.7	110	−19	39.51	31.07	42.08	45.39	....	82	....	....	....
1891	53.9	101	−13	37.18	37.28	37.71	36.54	....	93	....	....	....
1892	52.8	102	−31	44.77	41.62	47.88	41.80	....	92	141	95	130
1893	52.7	107	−20	39.17	35.42	38.99	43.10	....	77	155	117	93
1894	55.1	111	−35	34.61	26.97	38.27	38.58	15.4	73	170	120	75
1895	52.9	106	−26	40.03	36.74	43.42	39.92	23.7	85	161	108	96
1896	55.5	108	−10	40.87	39.65	35.79	41.68	12.6	86	154	111	101
1897	55.0	108	−16	40.56	35.18	37.46	49.03	19.5	86	167	104	94
1898	54.4	104	−20	54.26	51.87	54.12	56.80	18.6	102	162	102	101
1899	54.0	108	−32	37.93	36.34	36.81	40.64	28.8	82	166	110	89
1900	55.6	105	−16	39.00	35.73	39.57	41.70	18.5	90	171	106	88
1901	55.5	116	−29	25.86	23.36	26.56	27.66	19.2	72	190	98	77
1902	54.1	103	−17	46.01	42.71	48.98	43.33	16.7	103	159	103	103
1903	53.6	102	−25	40.63	38.78	42.79	40.31	16.5	96	170	96	99
1904	53.2	100	−23	42.06	41.59	42.43	42.16	18.8	89	180	99	87
1905	53.6	103	−40	47.00	39.82	51.84	49.35	22.3	97	174	91	100
1906	55.0	101	−13	39.43	30.26	38.78	49.25	28.2	98	165	89	111
1907	55.4	109	−15	40.91	37.01	41.92	43.81	12.8	95	173	82	110
1908	56.8	102	−10	43.81	37.66	47.24	46.54	9.7	91	184	92	90
1909	55.8	110	−20	45.27	44.94	42.95	47.32	18.3	92	173	90	102
1910	54.6	109	−24	37.81	31.96	37.99	43.48	17.2	82	183	81	101
1911	56.7	113	−19	37.43	38.04	37.92	36.33	15.2	88	166	86	113
1912	53.5	105	−36	38.99	32.53	38.82	45.62	39.6	81	192	80	94
1913	56.5	110	−12	38.20	33.14	35.96	45.50	26.0	87	174	80	111
1914	56.1	109	−18	31.68	32.21	36.43	35.41	26.4	81	171	86	108
1915	55.0	102	−24	49.84	48.57	51.74	49.22	25.3	98	160	86	119
1916	55.3	109	−29	40.62	38.58	41.08	42.19	18.2	87	191	77	98
1917	52.6	107	−23	32.21	28.70	31.92	36.01	13.9	80	186	83	96
1918	55.4	111	−25	37.69	32.60	37.19	43.29	27.2	84	185	80	100
1919	55.3	106	−23	40.27	36.73	40.46	43.62	10.2	86	181	81	103
1920	54.3	105	−10	37.56	33.62	38.66	40.40	15.4	89	171	82	113
1921	58.2	109	− 8	44.70	39.16	46.40	48.54	11.1	92	173	93	99
1922	56.8	108	− 6	39.68	37.50	41.64	39.90	8.2	85	192	80	93
1923	55.3	108	−11	42.18	33.43	42.47	50.64	8.6	98	165	88	112
1924	53.0	106	−28	40.03	35.28	44.39	40.41	28.3	92	173	91	102
1925	55.6	110	−15	39.15	38.83	36.81	41.82	16.4	84	171	94	100
1926	54.5	108	−20	42.92	42.35	43.85	42.57	23.2	95	160	86	119
1927	55.6	102	−24	55.53	42.03	59.85	61.70	13.4	101	163	91	111
1928	55.2	102	−18	45.88	41.22	46.01	50.40	6.8	90	174	94	98
1929	53.5	105	−23	46.72	44.13	45.56	50.48	22.3	102	155	93	117
1930	55.9	114	−31	31.88	26.71	34.90	32.53	17.6	75	194	84	87
1931	58.0	110	− 5	40.31	41.10	38.85	40.97	14.2	93	175	82	108
1932	55.6	109	−21	38.24	35.88	36.74	42.09	16.0	85	178	93	95
1933	57.3	108	−22	37.62	29.65	37.05	46.16	8.0	86	175	95	95
1934	57.4	117	−26	35.08	30.66	34.92	39.66	23.0	82	187	89	89
1935	55.0	110	−12	48.04	42.33	49.12	52.66	5.0	106	141	89	132
1936	56.3	118	−25	29.42	26.48	30.03	31.73	15.8	73	196	86	84
1937	54.5	105	−15	37.30	29.85	36.16	45.89	15.3	93	160	96	109
1938	58.4	110	− 9	41.00	36.86	42.36	43.83	10.0	92	182	90	93
1939	57.4	108	− 9	38.25	36.16	35.92	42.68	23.3	93	181	96	88
1940	54.0	111	−28	32.42	28.22	34.22	34.84	25.1	94	159	94	113
1941	57.2	110	0	42.15	41.10	48.07	37.31	14.0	102	151	101	113
1942	55.5	106	−24	46.08	42.48	47.87	47.89	18.9	105	154	97	114
1943	55.1	110	−23	37.89	35.73	42.10	35.87	16.1	89	170	103	92
Period	55.1	118	−40	40.24	36.51	41.16	43.05	17.9	89	171	93	101

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Climatological Data for Year 1943

Stations	Counties	Elevation, feet	Temperature (Degrees Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Northern Division																				
Albany	Gentry	930	3	51.5	98	July 29	−19	Jan. 19	15	37.34	10.50	June	0.49	Jan.	20.5	103	208[a]	91[a]	65[a]	s.
Bethany	Harrison	916	49	51.0	98	Aug. 24	−19	Jan. 19	51	33.62	9.82	June	0.12	Jan.	21.9	77	195[b]	94[b]	74[b]	n.
Brookfield	Linn	767	2	....	98	Aug. 24	−17	Jan. 19	2	.....	10.69	June	0.20	Nov.	....	..	..	..	..	sw.
Brunswick	Chariton	652	63	52.6	99	Aug. 15†	−14	Jan. 19†	65	38.34	8.48	June	0.29	Nov.	31.5	89	207	44	114	nw
Canton, Lock & Dam 20	Lewis	488	6	52.0	100	Aug. 24	−14	Jan. 19	14	37.76	7.36	May	1.02	Jan.†	31.3	107	168[b]	92[b]	103[b]	nw.
Chillicothe	Livingston	779	35	51.4	102	July 24	−17	Jan. 19	38	31.43	9.06	June	0.15	Nov.	27.0	77	264	29	72	nw.
Clifton Hill	Randolph	731	45	53.9	98	Aug 24†	−18	Jan. 19	35	43.61	9.30	May	0.60	Jan.	32.6	97	161	105	99	nw.
Columbia	Boone	740	54	54.4	102	Aug. 24	−12	Jan. 19	54	47.11	13.34	May	0.79	Feb.	23.8	105	127	143	95	s.
Conception	Nodaway	980	55	52.3	100	July 23	−21	Jan. 19	60	33.80	9.41	June	0.23	Jan.	11.9	78	115	166	84	nw.
Edgerton	Platte	856	24	52.7	98	Aug. 25	−19	Jan. 19	41	29.32	9.72	June	0.10	Jan.	23.0	70	74	206	85	s.
Elsberry	Lincoln	449	13	....	102	Aug. 24	−12	Jan. 19	13	35.06	10.42	May	0.66	Feb.	14.7	71	130[b]	183[b]	50[b]	s.
Fayette	Howard	760	64	53.4	99	Aug. 15†	−18	Jan. 20	61	41.22	8.71	June	0.66	Jan.	25.9	100	201	61	103	nw
Fulton	Callaway	818	56	54.1	102	Aug. 26	−12	Jan. 19	52	39.61	10.64	May	0.78	Jan.	27.3	106	194	94	77	s.
Grant City	Worth	1,134	40	50.6	96	July 26†	−23	Jan. 19	52	35.85	10.97	June	0.21	Jan.	18.0	71	149	108	108	ne.
Hannibal	Marion	759	52	52.0	100	Aug. 24	−14	Jan. 19	60	33.88	9.12	May	0.67	Jan.	27.0	91	151	121	93	n.
Kansas City Airport	Jackson	741	55	55.0	103	July 23	−13	Jan. 19	55	27.38	7.66	June	0.20	Nov.	20.5	100	123	128	114	sw.
Kansas City University	Jackson	908	6	55.3	99	Aug. 25	−15	Jan. 19	6	29.69	6.06	June	0.24	Nov.	19.0	91	145	98	122	n.
Kidder	Caldwell	1,020	52	52.2	96	July 28†	−20	Jan. 19	56	39.74	12.98	June	0.09	Jan.	27.4	94	175	98	92	nw.
Kirksville	Adair	969	55	52 5	100	Aug. 24	−17	Jan. 19	62	36.39	7.27	June	0.50	Nov.	33.0	102	154[a]	130[a]	80[a]	sw.
Lawson	Ray	1,070	6	53.2	98	July 23	−17	Jan. 19	6	34.20	10.70	June	0.33	Jan.	28.8	83	243	64	58	nw.
Louisiana	Pike	469	50	51.5	101	Aug. 24	−17	Jan. 20	63	41.96	13 63	May	0.60	Jan.	23.7	73	224	98	43	s.
Macon	Macon	875	45	51.1	98	Aug. 24	−17	Jan. 20	51	33.05	7.27	June	0.73	Jan.	35.7	106	138	84	143	se.
Maryville	Nodaway	1,169	54	50.9	96	July 23†	−21	Jan. 19	50	38.09	13.46	June	0.53	Nov.	31.4	95	189	61	115	nw.
Memphis	Scotland	787	5	49.8	100	Aug. 24†	−16	Jan. 20	14	30.99	5.91	June	0.74	Mar.	24.7	94	180	78	107	sw.
Mexico	Audrain	800	55	53.2	106	Aug. 24	−13	Jan. 20	66	47.43	13.74	May	0.84	Feb.	39.0	126	186	64	115	sw.
Moberly	Randolph	875	7	52.2	98	Aug. 25	−13	Dec. 15	7	36.79	8.64	May	0.46	Jan.	25.5	104	129[a]	114[a]	121[a]	sw.
New Florence 1 mi. SE.	Montgomery	885	1	....	101	Aug. 24	....	.....	2	34.27	9.83	May	0.62	Jan.	....	106	94	124	147	s.
Oregon	Holt	1,048	88	53.5	103	Aug. 13	−18	Jan. 19	88	31.68	10.89	June	0.60	Jan.†	29.0	76	194	112	59	ne.
St. Charles	St. Charles	520	56	54.6	105	Aug. 24	− 6	Jan. 20†	66	34.74	11.35	May	0.29	Jan.	14.9	87	214	87	64	nw.
St. Joseph	Buchanan	957	34	53.4	98	Aug. 13	−15	Jan. 19	72	36.25	15.71	June	0.21	Jan.	22.9	98	193	100	72	s.
Saverton	Ralls	472	6	53.3	101	Aug. 24	−11	Jan. 19†	6	33.59	9.95	May	0.76	Jan.†	25.9	98	212[a]	91[a]	61[a]	nw.
Shelbina	Shelby	779	3	52.6	101	June 27†	−17	Jan. 19	21	30.32	7.73	May	0.66	Feb.	25.3	88	234	65	66	nw.
Steffenville	Lewis	650	46	52.4	103	Aug. 24	−16	Jan. 19	51	34.42	8.51	May	0.79	Jan.†	27.6	102	173	88	104	sw.
Tarkio	Atchison	916	41	....	100	Aug. 24†	−17	Jan. 19	50	.....	9.97	June	....	....	....	..	..	..	..	.....
Trenton	Grundy	822	48	52.8	98	July 28	−16	Jan. 19	49	32.70	8.32	June	0.37	Jan.	24.1	103	167	136	62	s.
Unionville	Putnam	1,062	51	50.6	99	Aug. 24†	−20	Jan. 20	51	32.91	6.69	June	0.50	Jan.	22.2	91	165	142	58	nw.
Warrenton	Warren	816	62	....	102	Aug. 24	−11	Jan. 19	54	43.16	12.17	May	0.71	Jan.	19.9	86	195[d]	86[d]	80[d]	sw.
Keokuk, Iowa	Lee, Iowa	574	72	52.0	99	Aug. 24	−13	Jan. 19	72	33 13	6.58	July	0.77	Feb.	23.4	102	152	106	107	sw.
Division means and extremes		.....	..	**52.6**	**106**	**Aug. 24**	**−23**	**Jan. 19**	..	**35.73**	**15.71**	**June**	**0.09**	**Jan.**	**25.2**	**92**	**171**	**103**	**91**	**sw.**
Southwestern Division																				
Anderson ....1½ mi. SW	McDonald	1,000	40	....	104	July 22†	− 8	Jan. 19	45	.....	....	.....	T.	Jan.	6.2	..	..	..	..	w.
Appleton City	St. Clair	813	49	55.4	102	Aug. 26	−15	Jan. 19	52	45.38	16.10	May	0.18	Jan.	11.3	90	188	74	103	sw.
Bolivar	Polk	1,071	41	56.2	103	July 23	−13	Jan. 19	49	45.06	14.70	May	0.07	Jan.	10.8	98	174[b]	116[b]	73[b]	sw.
Boonville	Cooper	650	6	51.8	98	Aug. 25	−14	Jan. 19	67	42.78	10.76	May	0.63	Jan.	23.1	92	175	75	115	se.
Carthage	Jasper	962	10	58.1	104	Aug. 9	−18	Mar. 7	20	45.77	19 52	May	0.05	Jan.	9.5	83	122	171	72	n.
Clinton	Henry	786	51	55.2	103	July 23	−17	Jan. 20	57	53.74	16.12	May	0.32	Jan.	17.1	104	163	131	71	s.
Eldon	Miller	934	49	54.0	104	Aug. 26	−12	Jan. 20	45	42.00	11.46	May	0.35	Jan.	14.1	89	169[c]	116[c]	77[c]	n
Fort Leonard Wood	Pulaski	1,107	2	....	102	Aug. 15†	− 9	Jan. 19†	2	33.64	8.93	May	0.30	Jan.	13.9	70	142	149	74	s.
Harrisonville	Cass	904	66	53.6	101	Aug. 26	−18	Jan. 19†	69	37 23	10.06	May	0.25	Nov.	20.1	92	128	88	149	se.
Jefferson City	Cole	557	54	54.1	104	Aug. 26	− 9	Jan. 19†	62	41.53	10.76	May	0.36	Jan.	10.0	94	176	66	123	s.
Joplin	Jasper	1,008	22	58.9	102	July 23†	−10	Jan. 19	39	50.61	25.54	May	0.08	Jan.	....	86	..	..	..	s.
Lakeside	Miller	595	13	....	104	Aug. 15†	− 7	Jan 20	13	41.42	11.38	May	0 36	Jan.	12.8	100	180	94	91	sw.
Lamar	Barton	980	56	53.7	100	Aug 9†	−18	Jan. 19†	63	45.35	14.45	May	T.	Jan.	13.0	72	217	67	81	sw.
Lebanon	Laclede	1,265	56	54.2	104	Aug. 24†	−13	Jan. 19†	57	39.61	12.05	May	0.14	Jan.	15.0	85	155	73	137	sw.
Lexington	Lafayette	688	59	53.9	99	July 23†	−14	Jan. 19†	60	37.40	9.24	June	0.37	Nov.	27.2	103	210	112	43	s.
Lockwood	Dade	1,078	38	57.7	105	Aug. 15†	−13	Jan. 19	48	43.57	12.95	May	0.08	Jan.	17.8	92	200	106	59	sw.
Marshall	Saline	779	57	54.9	99	Aug. 25	−15	Jan. 19	54	39.88	9.49	May	0.60	Jan.	22.5	80	162	134	69	sw.
Mountain Grove	Wright	1,463	43	56.7	102	July 25†	− 8	Jan. 19	47	36.58	11.04	May	0.18	Jan.	11.0	82	122	193	50	se.
Mount Vernon	Lawrence	1,174	32	....	103	Aug. 15†	−14	Jan. 19	44	.....	21.60	May	0.05	Jan.	14.5	..	..	..	..	sw.
Neosho	Newton	1,011	57	58.5	103	July 23	− 9	Mar. 3	61	55 10	21.56	May	0.08	Jan.	8.7	94	100	192	73	se.
Nevada	Vernon	862	51	56.9	104	July 23†	−19	Jan. 19	52	45.99	13.88	May	0.06	Jan.	11.1	87	201	79	85	sw.
Ozark Beach	Taney	700	4	57.5	104	July 22	− 4	Jan. 19†	19	37.34	12.85	May	0.10	Jan.	3.0	84	109	166	90	se.
Sedalia	Pettis	910	31	55.9	103	Aug. 15	−16	Jan. 19	33	44.16	10.73	May	0.59	Jan.	17.0	93	209	79	77	nw.
Seligman	Barry	1,542	43	56.9	99	July 24	−10	Jan. 19	41	45.73	15.03	May	0.05	Jan.	6.5	77	186[p]	94[p]	69[p]	sw.
Seymour ....3½mi. NE	Webster	1,642	38	55.4	99	Aug. 15†	−14	Mar. 7	38	39.51	13.74	May	0.09	Jan.	11.5	91	189	85	91	s.
Springfield....½ mile E	Greene	1,301	56	55.1	98	Aug. 15	−10	Jan. 19	56	46.24	16.15	May	0.07	Jan.	15.4	107	125	106	134	s.
Sweet Springs	Saline	700	3	54.5	104	Aug. 15	−20	Dec. 15	20	39.04	9.24	May	0.28	Nov.	27.8	103	192[d]	123[d]	46[d]	s.
Warrensburg	Johnson	878	57	55.9	102	July 23	−18	Jan. 19	64	36.03	10 37	May	0.24	Nov.	11.3	88	185[k]	101[k]	68[k]	sw.
Warsaw	Benton	687	43	56.3	104	Aug. 26	−15	Jan. 19	49	46.56	13.01	May	0.32	Jan.	15.8	93	123	158	84	nw.
Wasola	Ozark	1,294	3	57.5	110	Aug. 26	− 6	Jan. 19	3	36.64	11.78	May	0.15	Jan.	8.7	78	205	92	68	s.
Division means and extremes		.....	..	**55.8**	**110**	**Aug. 26**	**−20**	**Dec. 15**	..	**42.10**	**25.54**	**May**	**T.**	**Jan.**	**14.5**	**90**	**168**	**111**	**86**	**sw.**
Southeastern Division																				
Advance.....¼ mile W	Stoddard	354	7	56.1	104	Aug. 25	1	Jan. 20†	7	36.04	8.03	May	0.13	Jan.	4.0	93	112	122	131	s.
Arcadia	Iron	926	63	54.4	108	Aug. 25	− 7	Dec. 15†	66	39.49	11.25	May	0.09	Jan.	11.0	96	186	72	107	s.
Birch Tree ....½ mile E	Shannon	1,000	49	56.3	104	Aug. 25	− 8	Jan. 19	50	30.12	10.29	May	0.13	Jan.	6.0	82	205[c]	103[c]	54[c]	sw.
Bragg City	Pemiscot	261	2	....	103	Aug. 21	4	Jan. 20	13	.....	....	.....	....	.....	....	..	..	..	..	.....
Campbell	Dunklin	314	18	60 2	104	Aug. 25†	4	Mar. 3	18	31.00	8.39	May	0.70	Jan.	7.8	95	196[a]	109[a]	59[a]	s.
Caruthersville	Pemiscot	265	48	58.8	102	Aug 26	4	Jan. 19	52	36 48	7.36	Mar.	0.57	Jan.	6.5	81	217	48	100	s.
Crystal City	Jefferson	420	9	55.0	102	Aug. 24	− 6	Mar. 3	10	33.59	8.21	May	0.31	Jan.	11.4	81	142	76	147	s
Doniphan	Ripley	344	40	58 9	106	Aug. 24†	− 1	Jan. 20	40	37.83	8.68	May	0.01	Jan.	0.7	78	257	39	69	n.
Farmington	St. Francois	896	33	55.6	100	Aug. 24†	− 5	Jan. 19†	47	39.16	10.66	May	0.02	Jan.	8.3	90	130	100	135	s.
Goodland	Iron	1,000	51	54.3	104	Aug. 24	−22	Mar. 3	51	39.94	11.67	May	0.07	Jan.	10.4	92	204	79	82	s.
Greenville	Wayne	381	35	....	105	Aug. 24†	− 4	Mar. 3	37	.....	9.08	May	0 02	Jan.	....	..	..	..	..	nw.
Jackson	Cape Girardeau	428	53	57.6	100	July 17†	− 2	Mar. 3	54	43.49	9.77	May	0.33	Jan.	5.3	91	147	54	164	s.
Koshkonong	Oregon	958	43	....	107	Aug. 15	− 2	Jan. 19	41	.....	8.20	May	0 04	Jan.	....	..	..	..	..	s.
Licking .....4 miles N	Texas	1,170	7	56.4	103	Aug. 24	−16	Mar. 7	7	58.28	9.21	May	0.20	Aug.	10.3	68	192[a]	90[a]	82[a]	n.
Malden....4 miles NNW	Dunklin	292	1	....	104	Aug. 25†	....	.....	1	.....	7.82	May	....	....	....	..	..	..	..	s.
Marble Hill	Bollinger	470	49	57.5	102	Aug. 25†	− 5	Mar. 3	51	44.00	9.40	May	T.	Jan.	5.5	88	185	102	78	s.
Poplar Bluff	Butler	339	39	58.9	108	Aug. 25	0	Mar. 3	40	.....	7.32	Mar.	0.18	Jan.	6.5	..	175	120	70	sw.
Rolla	Phelps	1,202	41	....	103	Aug. 15†	−10	Jan. 19	60	36.96	9.83	May	0.35	Jan.	21.7	83	..	..	..	s.
St. Louis City Office	St. Louis City	465	107	56 2	101	Aug. 24	− 5	Jan. 19	107	33.60	10.20	May	0.74	Jan.	12.1	105	138	108	119	nw.
St. Louis Airport	St. Louis	556	7	54.9	102	Aug. 24	− 5	Jan. 19	13	37.53	11.20	May	0.60	Jan.	13.5	99	98	153	114	nw.
St. Louis University	St Louis City	578	32	56.1	102	Aug. 24	− 5	Jan. 19	32	32.60	9.70	May	0.66	Jan.	17.2	105	184	71	110	nw.
Washington Univ.	St. Louis	536	6	55.0	103	Aug. 24	− 5	Jan. 19†	6	38.99	11.56	May	0.70	Jan.	....	97	..	..	..	.....

Continued on next page

Climatological Data for Year 1943—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, (Degrees, Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With rec p. .01 inch or more	Clear	Partly cloudy	Cloudy	
Southeastern Division—Concluded																				
Salem	Dent	1,173	40	55.4	104	Aug. 24	− 8	Jan. 19	43	38.67	8.90	May	0.12	Jan.	9.5	79	194	92	79	s.
Sikeston	Scott	318	37	57.6	105	Aug. 25†	1	Mar. 3	47	37.70	6.73	June	0.18	Jan.	8.7	89	175	119	71	sw.
Union	Franklin	520	6	....	104	Aug. 24†	− 6	Jan. 19	27	37.05	9.06	May	0.60	Jan.	14.0	83	139	123	103	s.
Vichy..... 2 miles NW	Maries	1,125	8	....	102	Aug. 15	....	.....	8	.....	.....	.....	.....	.....	.....	..	..	..	..	.....
Wappapello Dam	Butler	475	5	57.8	105	Aug. 26	2	Jan. 19†	5	36.56	5.52	May	0.04	Jan.	3.1	86	214[a]	79[a]	71[a]	w.
Weingarten	St. Genevieve	833	2	....	101	Aug. 24†	− 5	Dec. 15	3	.....	11.46	May	0.14	Jan.	....	..	..	..	..	n.
West Plains	Howell	1,005	7	56.0	104	Aug. 25	− 5	Jan. 19	7	27.92	7.93	May	0.17	Jan.	5.0	83	129	133	103	s.
Willow Sprgs..500 ft. E	Howell	1,238	3	54.6	102	Aug. 24†	− 7	Jan. 19	38	32.68	11.83	May	0.13	Jan	5.0	80	169	101	95	s.
Cairo, Ill.	Alexander, Ill.	314	72	58.8	101	Aug. 25	5	Jan. 19	73	31.70	6.11	May	0.33	Jan.	7.7	112	114	113	138	sw.
Division means and extremes	.....		..	**56.8**	**108**	**Aug. 25**	**−22**	**Mar. 3**	..	**35.87**	**11.83**	**May**	**T.**	**Jan.**	**8.5**	**87**	**168**	**99**	**98**	**s.**
State means and extremes	.....		..	**55.1**	**110**	**Aug. 26**	**−23**	**Jan. 19**	..	**37.89**	**25.54**	**May**	**T.**	**Jan.**	**16.1**	**89**	**170**	**103**	**92**	**s.**

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated.
† Also on other dates ¶ Estimated * Partially estimated [a], [b], [c], indicate the number of days missing from records, a, 1; b, 2; c, 3; etc

Monthly and Annual Evaporation (Inches) and Wind Movement (Miles) for the Year 1943
(See temperature and precipitation data in Climatological Tables)

Stations	Data	January	February	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Annual
Lakeside (Osage Dam)	Evaporation	1.287	2.338	3.275	5.819	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Wind movement	1,770	1,741	1,912	1,824	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis (Washington Univ.)	Evaporation	.....	.....	3.301	4.372	3.995	5.961	6.669	5.831	4.002	2.735	1.664	.....	.....
	Wind movement	1,593	1,633	¶ 1,986	2,085	1,256	879	711	729	708	1,192	1,208	1,157	15,137

¶ For 28 days.

(Continued from page 73)

In spite of unfavorable weather conditions, floods, droughts, and labor and materials shortages, crop production in Missouri for 1943 was considered good. While average yields per acre were not as heavy as last year, the total production was as great, or greater, due to increased acreages planted to meet the wartime demands.—M. R. W.

TEMPERATURE

The annual mean temperature for the State was 55.1°, or exactly normal. The highest annual mean was 60.2° at Campbell, and the lowest annual mean was 49.8° at Memphis. The highest temperature recorded was 110° at Wasola on August 26th, and the lowest was 23° below zero at Grant City on January 19th.

PRECIPITATION

The average annual precipitation for the State was 37.89 inches, or 2.35 inches less than the 56-year average. The greatest annual amount was 55.10 inches at Neosho, and the least annual amount was 27.38 inches, at Kansas City Airport. The greatest local monthly amount was 25.54 inches at Joplin in May, and the least local monthly amount was only a trace, at Anderson, Galena, Lamar, Alton (near), Cape Girardeau, Marble Hill, and Van Buren in January. The greatest amount in any observational day was 7.27 inches at Joplin, on May 18th. The average number of days with 0.01 inch or more was 89, or exactly normal.

The average annual snowfall for the State was 16.1 inches, or 1.8 inches less than the 50-year average. The greatest annual snowfall was 39.0 inches at Mexico, and the least annual amount was 0.7 inch at Doniphan. The greatest monthly snowfall was 19.6 inches at Mexico, in December.

ERRATA

January 1943, page 2: Total snowfall at Springfield should be 0.6.
February 1943, page 8: Precipitation departure at Shelbina should be −1.18.
March 1943, page 14: Total snowfall at Kansas City Airport should be 6.0.
June 1943, page 32: Precipitation departure at Hannibal should be −1.24.
October 1943, page 56: Precipitation departure at Mexico should be +1.11.

Monthly and Annual Precipitation for the Year 1943, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northern Division																										
Albany	0.49	−0.34	0.85	−0.77	1.14	−0.55	2.63	−0.16	6.35	+3.67	10.50	+5.26	5.59	+0.96	3.40	−0.20	3.34	−2.21	0.62	−2.17	0.61	−1.10	1.82	+0.95	37.34	+3.34
Amity	0.28	.....	0.72	.....	1.34	.....	2.22	.....	5.33	.....	10.18	.....	4.30	.....	3.25	.....	3.09	.....	1.24	.....	0.97	.....	2.23	.....	35.15	.....
Bethany	0.12	−1.07	1.09	−0.33	0.58	−1.65	2.85	−0.44	5.05	+0.88	9.82	+4.76	4.51	+0.35	3.62	−0.20	2.58	−1.98	0.75	−2.17	0.74	−1.30	1.91	+0.76	33.62	−2.39
Bowling Green	1.10	−0.80	0.95	−0.49	1.60	−0.54	1.74	−0.80	13.38	+9.54	6.44	+3.20	2.26	−0.52	3.16	−0.65	4.31	+1.60	3.33	+1.08	1.33	−1.51	2.00	−0.05	41.60	+10.06
Brookfield	0.45	.....	1.17	.....	1.16	.....	3.10	.....	5.88	.....	10.69	.....	4.47	.....	2.50	.....	2.07	.....	2.48	.....	0.20	.....	.....	.....	.....	.....
Brunswick	0.58	−1.01	0.85	−0.96	1.52	−1.18	2.07	−1.76	8.46	+3.85	8.48	+3.37	6.14	+2.03	1.81	−2.13	2.84	−1.97	3.60	+0.60	0.29	−1.90	1.70	+0.03	38.34	−1.03
Canton, Lock and Dam 20	1.02	−0.92	1.02	−0.24	1.62	−0.72	3.82	+1.06	7.36	+2.04	2.90	−1.88	5.67	+3.34	6.94	+3.78	1.99	−1.75	2.40	+0.14	1.36	−1.35	1.66	+0.03	37.76	+3.53
Centralia	0.56	.....	0.60	.....	1.55	.....	2.24	.....	11.71	.....	6.37	.....	2.89	.....	4.30	.....	5.02	.....	3.96	.....	1.08	.....	2.67	.....	42.96	.....
Chillicothe	0.23	−1.25	0.65	−0.80	0.66	−1.82	2.81	−0.41	4.71	+0.62	9.06	+4.33	2.52	−0.90	4.22	+0.26	2.75	−2.03	1.82	−1.32	0.15	−1.97	1.85	+0.43	31.43	−4.86
Chillicothe (A)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.57	.....	4.43	.....	2.63	.....	2.27	.....	0.21	.....	2.21	.....	.....	.....
Chillicothe (B)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.72	+4.36	1.51	−2.29	3.84	−0.70	4.41	+1.89	1.34	−0.64	2.23	+0.51	43.61	+7.34
Clinton Hill	0.60	−1.12	0.68	−1.06	1.71	−1.03	2.10	−1.26	9.30	+4.90	8.17	+3.78	6.42	+2.93	1.36	−2.24	4.84	+0.49	3.85	+1.24	1.52	−0.68	2.17	+0.31	47.11	+9.11
Columbia	0.88	−1.04	0.79	−1.25	1.76	−1.18	2.16	−1.61	13.34	+8.88	8.02	+3.26	6.42	+2.93	1.36	−2.24	4.84	+0.49	3.85	+1.24	1.52	−0.68	2.17	+0.31	47.11	+9.11
Conception	0.23	−0.56	0.63	−0.52	0.74	−0.91	1.58	−1.15	7.59	+3.53	9.44	+4.49	4.05	−0.62	2.83	−0.81	3.67	−0.97	0.79	−2.09	0.60	−1.14	1.65	+0.77	33.30	+0.02
Edgerton	0.10	−0.75	0.50	−0.84	0.83	−1.43	1.44	−1.64	4.45	+0.25	9.72	+4.85	2.86	−0.64	2.34	−1.70	3.88	−0.71	0.96	−1.66	0.41	−1.56	1.83	+0.71	29.32	−5.12
Edina	0.72	−0.94	0.96	−0.17	1.18	−0.81	4.56	+1.43	6.47	+2.62	8.44	+3.00	5.61	+3.14	3.05	−1.05	2.27	−2.35	1.61	−0.65	0.46	−2.61	1.44	+0.10	36.77	+1.71
Elsberry	1.38	−0.79	0.66	−1.00	2.89	+0.13	1.76	−1.29	10.42	+7.10	6.58	+3.14	1.80	−0.19	1.98	−1.28	2.94	−0.06	2.05	−0.46	0.97	−1.85	1.63	−0.58	35.06	+2.87
Elsberry S. C. S.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.30	.....	3.07	.....	3.19	.....	2.04	.....	1.84	.....	1.73	.....	.....	.....
Farber	0.32	−1.54	0.83	−0.54	1.09	−1.32	1.36	−1.23	12.07	+7.95	6.20	+2.37	2.84	−0.69	2.22	−2.08	3.47	+1.01	3.77	+1.70	0.98	−2.04	1.71	+0.29	36.86	+3.90
Fayette	0.66	−1.13	0.75	−0.95	1.40	−1.42	2.18	−1.37	7.85	+3.53	8.71	+4.14	5.23	+1.98	1.65	−1.91	4.53	−0.38	4.50	+1.61	1.80	−0.30	1.91	+0.25	41.22	+4.05
Fulton	0.78	−1.24	1.09	−0.58	2.13	−0.85	2.58	−1.43	10.64	+6.04	6.88	+2.48	2.43	−0.86	1.62	−2.03	4.40	−0.09	3.54	+0.12	1.29	−1.02	2.23	+0.22	39.61	+0.78
Gallatin	0.27	−0.95	0.73	−0.86	1.25	−1.07	1.74	−1.82	4.15	−0.57	9.95	+4.89	4.80	+0.68	5.37	+1.57	2.66	−2.54	1.53	−1.65	0.41	−1.67	1.97	+0.69	34.85	−3.30
Grant City	0.21	−0.76	0.67	−0.44	0.40	−1.61	1.36	−1.60	6.35	+2.12	10.97	+5.97	4.59	−0.04	4.99	+1.05	3.67	−1.02	0.73	−2.31	0.75	−1.10	1.16	+0.10	35.85	+0.36
Hannibal (A)	0.67	−1.05	0.83	−1.03	1.39	−1.21	2.02	−1.17	9.12	+4.77	2.66	−1.24	3.29	+0.20	3.83	+0.49	2.94	−1.03	4.00	+1.61	1.48	−0.58	1.65	+0.11	33.88	−0.13
Hannibal (B)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.67	.....	4.75	.....	2.78	.....	4.58	.....	1.65	.....	3.50	.....	.....	.....
Hermann	0.50	−1.43	0.96	−0.69	2.54	−0.29	3.22	−0.81	11.88	+7.71	4.82	+0.45	2.79	−0.55	2.57	−1.10	2.69	−1.69	3.21	−0.42	1.31	−1.16	1.73	−0.08	38.22	−0.06
Kahoka	0.81	−1.07	0.58	−0.49	1.32	−0.79	1.06	−2.20	5.67	+1.41	4.85	−0.06	4.71	+2.83	6.12	+2.84	1.43	−3.11	2.93	+0.48	1.05	−2.30	0.76	−0.93	31.29	−3.39
Kansas City Airport	0.31	−0.88	0.61	−0.86	1.17	−1.36	1.75	−1.39	4.71	+0.06	7.66	+2.98	3.39	−0.43	1.90	−1.64	2.28	−1.54	1.93	−0.76	0.20	−2.02	1.47	+0.27	27.38	−7.57
Kansas City University	0.48	.....	0.72	.....	1.17	.....	1.90	.....	4.90	.....	6.06	.....	4.59	.....	3.15	.....	2.98	.....	2.03	.....	0.24	.....	1.47	.....	29.69	.....
Kidder	0.09	−1.13	0.59	−0.95	1.34	−0.85	2.35	−0.93	4.78	+0.13	12.98	+8.01	5.37	+1.49	3.38	−0.58	4.73	−0.47	1.71	−1.36	0.44	−1.71	1.98	+0.71	39.74	+2.36
King City	0.55	−0.59	0.77	−0.73	0.73	−1.33	1.73	−1.57	5.17	+0.96	9.64	+4.33	4.35	+0.81	3.62	−0.06	2.49	−2.93	0.90	−2.00	0.65	−1.31	2.02	+0.94	32.62	−3.48
Kirksville	0.93	−0.59	1.36	−0.23	1.43	−1.51	3.89	−0.21	6.62	+1.29	7.27	+2.21	6.23	+1.93	1.68	−2.44	3.24	−1.94	1.46	−1.70	0.50	−1.62	1.84	+0.08	36.39	−4.73
La Belle	0.73	−0.94	1.09	−0.18	2.25	−0.07	3.01	+0.10	6.42	+1.98	6.09	+0.85	4.32	+2.19	2.61	−2.01	2.47	−1.60	2.96	+0.62	0.95	−2.15	1.67	+0.13	34.51	−1.03
Lawson	0.33	.....	0.94	.....	0.98	.....	2.63	.....	4.42	.....	10.70	.....	4.03	.....	2.75	.....	2.91	.....	2.11	.....	0.40	.....	2.00	.....	34.20	.....
Linneus	0.35	−1.62	0.94	−0.23	0.75	−1.19	2.99	−0.11	5.31	+1.21	12.35	+7.63	1.77	−1.09	3.61	−0.35	1.79	−1.94	1.62	−1.03	0.15	−2.42	1.55	+0.17	33.18	−0.97
Louisiana (A)	0.60	−1.55	0.72	−1.36	1.33	−2.14	1.88	−1.84	13.63	+8.93	7.48	+3.25	2.86	−0.94	2.93	−1.61	4.00	−0.43	3.15	−0.13	2.00	−0.46	1.88	−0.32	41.96	+1.40
Louisiana (B)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.88	.....	3.02	.....	3.71	.....	2.71	.....	1.33	.....	2.20	.....	.....	.....
Lucerne	0.20	−0.82	0.83	−0.37	0.99	−1.06	2.56	−1.00	6.52	+1.79	6.63	+0.99	2.07	−0.99	1.71	−2.73	3.98	−1.68	2.32	−1.21	0.72	−1.56	1.67	+0.06	30.20	−8.58
Macon	0.73	−0.97	1.11	−0.59	1.47	−1.37	2.41	−1.25	6.66	+2.07	7.27	+2.55	2.44	−0.97	2.15	−1.66	3.12	−1.32	2.74	−0.15	0.75	−1.44	2.20	+0.56	33.05	−4.54
Madison	0.43	−1.51	0.51	−1.09	1.60	−0.50	2.44	−0.46	9.56	+5.02	5.81	+0.44	2.72	−0.25	2.66	−0.65	4.27	+0.54	3.82	+0.94	0.96	−2.06	2.32	−0.42	37.10	+0.84
Maryville	0.79	−0.21	0.78	−0.65	0.91	−0.96	1.51	−1.50	6.61	+1.96	13.16	+8.35	3.95	−1.28	3.39	−0.63	4.15	−0.53	0.66	−2.31	0.53	−1.39	1.39	+0.31	38.09	+1.16
Memphis	0.84	−0.69	1.15	+0.18	0.74	−1.62	3.68	+0.48	5.10	+1.09	5.91	+0.78	3.89	+1.09	4.91	+0.94	1.44	−2.74	1.75	−0.18	0.81	−2.18	0.77	−0.51	30.99	−3.56
Mexico	1.13	−0.90	0.84	−1.01	2.52	−0.39	3.15	−0.60	13.74	+9.14	5.86	+1.12	2.76	−0.45	3.18	−0.67	4.87	−0.60	4.18	+1.11	1.77	−0.46	3.93	+2.02	47.43	+8.31
Milan	0.42	−0.75	1.20	−0.18	1.40	−0.85	2.34	−1.63	6.20	+1.38	7.40	+2.30	3.51	+0.43	3.68	−0.56	2.98	−2.56	1.92	−2.05	0.51	−1.67	1.94	+0.15	33.50	−6.01
Moberly	0.46	.....	0.61	.....	1.65	.....	2.70	.....	8.64	.....	7.00	.....	4.23	.....	2.27	.....	3.04	.....	2.95	.....	1.19	.....	2.65	.....	36.79	.....
Monroe City	0.51	−1.40	0.77	−0.64	1.31	−1.58	1.47	−2.20	8.70	+4.30	6.65	+1.57	3.18	−0.48	1.51	−2.81	2.88	−1.94	3.83	+1.23	0.97	−1.25	1.80	−0.13	33.58	−5.43
New Florence, 1 mile SE	0.62	.....	0.86	.....	1.76	.....	2.39	.....	9.83	.....	4.94	.....	2.22	.....	1.12	.....	3.95	.....	3.42	.....	1.65	.....	1.51	.....	34.27	.....
Oregon	0.60	−0.33	0.60	−0.77	0.82	−1.14	1.73	−1.56	5.92	+1.39	10.89	+5.52	1.51	−2.67	1.39	−2.41	3.58	−1.82	1.22	−1.53	0.62	−1.36	2.80	+1.76	31.68	−4.62
Palmyra	0.87	−1.13	0.60	−1.14	1.03	−1.65	1.68	−2.05	8.26	+3.95	3.35	−1.40	3.50	−0.25	3.04	−0.80	3.19	−1.58	3.26	+0.90	0.75	−1.49	1.72	+0.08	31.25	−6.06
Paris	0.49	−1.30	0.70	−0.73	1.85	−0.82	1.99	−0.48	10.57	+6.07	8.47	+4.33	1.38	−1.26	4.32	+0.74	3.36	+0.09	3.63	+1.76	0.87	−2.12	2.03	+0.15	39.66	+6.83
Perry	0.58	−1.34	0.55	−0.74	1.15	−1.03	2.04	−0.27	11.46	+7.21	6.39	+2.63	3.06	+0.54	2.23	−1.58	3.74	+0.77	3.73	−1.89	1.01	−1.66	1.69	−0.02	37.63	+6.43
Philadelphia	0.72	−1.09	0.63	−1.00	1.46	−0.70	1.73	−0.52	7.73	+2.87	4.36	−0.40	6.02	+2.73	3.67	−0.74	2.43	−1.23	1.99	−0.63	1.26	−1.53	.....	.....	.....	.....
St. Charles	0.29	−1.86	0.36	−1.63	1.41	−1.76	2.22	−1.53	11.35	+7.07	4.81	+0.81	0.36	−2.63	3.44	−0.80	3.62	−0.22	2.80	−0.38	2.19	+0.08	1.89	+0.10	34.74	−2.75
St. Joseph	0.21	−1.07	0.79	−0.88	0.62	−1.86	1.41	−1.78	6.32	+1.62	15.71	+10.76	2.39	−1.39	1.52	−2.31	2.78	−1.14	1.54	−1.35	0.64	−0.94	2.32	+1.03	36.25	+0.69
Saverton, Lock No. 22	0.76	.....	0.76	.....	1.36	.....	2.40	.....	9.95	.....	2.65	.....	2.17	.....	3.94	.....	2.77	.....	3.76	.....	1.04	.....	2.05	.....	33.59	.....
Shelbina	0.76	−0.77	0.66	−1.18	1.28	−1.51	1.75	−2.00	7.73	+3.41	4.69	+0.21	3.40	−0.47	0.76	−2.96	3.12	−1.82	3.65	+1.04	1.28	−0.82	1.24	−0.30	30.32	−7.17
Shelbyville	0.87	−0.70	1.10	−0.29	1.24	−1.01	2.18	−0.54	7.59	+2.97	8.49	+3.91	5.20	+2.48	3.03	−1.20	3.14	−0.01	3.89	+1.77	1.04	−1.94	2.34	+0.54	40.11	+5.98
Steffenville	0.79	−1.22	0.79	−0.98	1.48	−1.53	2.30	−1.28	8.51	+3.94	5.98	+1.44	5.16	+1.05	1.08	−2.96	2.37	−2.13	2.90	+0.17	1.22	−0.97	1.84	+0.15	34.42	−4.52
Tarkio	0.50	−0.24	0.85	−0.43	0.77	−0.90	1.25	−1.99	4.21	−0.33	9.97	+5.01	3.42	−0.73	4.17	+0.27	1.88	−2.36	0.77	−2.04	.....	.....	.....	.....	.....	.....
Trenton	0.37	−0.97	1.14	−0.44	1.87	−0.58	1.83	−2.25	5.06	+0.36	8.32	+3.28	4.99	+0.92	2.53	−1.35	2.72	−2.03	2.01	−1.12	0.50	−1.62	1.86	+0.45	32.70	−5.35
Troy	0.49	−1.51	0.75	−0.78	2.61	−0.11	1.70	−1.31	8.55	+4.66	4.67	+1.01	0.12	−2.23	3.99	+0.15	2.50	−0.72	2.56	−0.15	1.91	−1.08	2.07	+0.07	31.92	−2.00
Unionville	0.50	−1.22	1.05	−0.72	2.19	−0.31	2.64	−1.06	5.44	+0.19	6.69	+1.50	4.69	+0.57	3.86	−0.42	2.77	−2.32	1.30	−1.83	0.60	−1.60	1.18	−0.53	32.91	−7.75
Warrenton	0.71	−1.48	0.77	−1.12	2.99	−0.19	2.68	−1.36	12.17	+7.77	6.57	+2.79	2.62	−0.52	1.65	−2.02	4.73	+0.37	3.84	+0.40	2.27	−0.35	2.16	+0.08	43.16	+4.37
Keokuk, Iowa	1.04	−0.52	0.77	−0.78	1.46	−0.92	3.88	+0.89	5.81	+1.88	4.46	+0.33	6.58	+3.17	2.24	−0.96	1.34	−2.50	3.16	+0.90	1.45	−0.49	0.94	−0.51	33.13	+0.49
Southeastern Division																										
Altona	.....	.....	0.91	.....	2.01	.....	3.82	.....	10.82	.....	9.01	.....	1.82	.....	2.88	.....	4.17	.....	4.13	.....	0.30	.....	2.43	.....	.....	.....
Anderson, 1½ miles SW	T.	−2.53	0.74	−1.04	2.31	−1.39	3.55	−1.14	7.99	+2.24	.....	.....	0.17	−4.24	2.10	−2.02	3.40	−0.48	5.91	+2.02	0.40	−2.95	2.03	+0.28	.....	.....
Appleton City	0.18	−1.66	0.96	−0.71	1.91	−1.24	2.64	−1.49	16.10	+11.30	9.22	+4.20	0.92	−3.39	1.31	−2.65	4.98	+0.60	4.34	+1.38	0.25	−2.05	2.57	+0.98	45.38	+5.27
Ava Ranger Station	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.63	.....	1.80	.....	2.41	.....	6.62	.....	1.70	.....	2.91	.....	.....	.....
Bakersfield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.80	.....	1.59	.....	0.57	.....	3.59	.....	0.50	.....	.....	.....	.....	.....
Bolivar	0.07	−1.86	0.86	−1.24	3.21	−0.22	3.19	−0.98	14.70	+9.35	7.55	+2.24	0.53	−3.15	2.12	−1.74	6.37	+2.16	3.82	+0.57	0.76	−1.82	1.88	−0.46	45.06	+2.81
Boonville	0.63	−1.09	0.70	−1.08	1.89	−1.65	1.97	−1.90	10.76	+6.15	9.57	+4.52	2.66	−0.58	1.35	−3.20	5.04	+0.45	4.55	+1.38	0.72	−1.49	2.84	+1.14	42.78	+2.60
Boonville (A)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.83	.....	1.82	.....	5.77	.....	4.40	.....	0.70	.....	2.67	.....	.....	.....
Boonville (B)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.83	.....	1.82	.....	5.77	.....	4.40	.....	0.70	.....	2.67	.....	44.86	+5.47
Buffalo	0.76	−1.35	0.97	−0.79	2.87	−0.04	2.49	−1.18	13.99	+8.79	6.82	+1.80	0.96	−2.00	3.77	−0.35	4.04	+0.69	4.97	+2.15	0.62	−2.78	2.60	+0.53	43.60	.....
Butler	0.75	.....	0.92	.....	1.56	.....	2.49	.....	11.32	.....	10.71	.....	1.16	.....	3.89	.....	4.13	.....	3.65	.....	0.69	.....	2.33	.....	41.69	+0.74
Caplinger Mills	0.05	−1.87	0.98	−0.33	3.47	+0.74	2.90	−0.69	12.32	+7.55	7.04	+0.88	0.25	−3.51	2.20	−2.35	6.24	+2.52	3.16	−0.72	0.69	−2.07	2.29	+0.59	45.77	.....
Carthage	0.05	.....	1.06	.....	4.14	.....	3.56	.....	19.52	.....	4.89	.....	0.64	.....	0.69	.....	4.51	.....	3.95	.....	0.13	.....	2.63	.....	53.74	+13.42
Clinton	0.32	−1.71	0.89	1.06	2.33	−1.03	3.62	−0.55	16.12	+11.29	12.71	+7.81	3.99	+0.56	0.75	−2.90	4.86	+0.34	5.02	+1.57	0.58	−1.58	2.55	+0.68	38.15	−1.12
Concordia	0.61	−0.93	1.11	−0.37	1.73	−0.82	1.61	−1.73	9.56	+4.81	6.59	+1.11	1.60	+0.61	2.21	−1.64	4.42	−0.08	3.85	+0.05	0.17	−2.05	1.69	−0.68	38.15	−1.12
Crocker	0.17	−2.51	0.90	−0.99	3.06	+0.83	3.38	−0.42	11.61	+7.81	8.83	+5.88	0.71	−3.37	1.81	−1.92	4.83	+0.76	4.71	+2.37	1.08	−1.05	1.81	−0.35	42.90	+7.04
Eldon	0.35	−1.41	1.30	−0.52	2.25	−0.79	2.79	−1.37	11.46	+7.16	6.18	+2.14	3.28	+0.06	1.08	−2.58	3.88	−0.74	5.02	+1.32	1.72	−0.73	2.69	+0.93	42.00	+3.47
Eldorado Springs	0.28	−1.94	1.10	−1.38	2.74	−0.19	2.74	−1.49	12.96	+7.81	7.25	+2.29	1.35	−2.97	3.14	+0.03	4.69	+1.28	3.98	+1.42	0.13	−2.26	2.07	−0.12	42.43	+2.48
Elijah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.35	.....	1.21	.....	0.49	.....	3.61	.....	0.82	.....	2.29	.....	.....	.....
Fort Leonard Wood	0.39	.....	1.40	.....	2.88	.....	1.89	.....	8.93	.....	5.29	.....	0.39	.....	2.62	.....	4.09	.....	4.24	.....	1.12	.....	1.18	.....	33.64	.....
Galena	T.	−2.67	0.23	−1.71	2.36	−0.98	3.85	−0.27	18.75	+13.61	6.13	+1.37	1.11	−2.65	3.16	−0.94	5.02	+1.54	5.54	+2.06	1.54	−1.76	2.78	+0.61	50.47	+8.21
Hailey	0.12	−2.80	1.18	−0.62	3.10	−0.38	3.93	−0.46	17.00	+11.76	6.93	+1.33	1.73	−1.96	2.63	−2.91	4.35	+0.58	3.96	−0.34	1.30	−1.81	3.23	+0.91	48.86	+3.30
Harrisonville	0.77	−0.80	0.73	−1.00	2.10	−0.70	2.43	−0.95	10.06	+5.63	6.34	+1.65	2.98	−0.63	2.79	−1.39	3.79	−1.11	3.41	+0.44	0.25	−1.89	1.48	+0.03	37.25	−0.72
Jefferson City	0.36	−1.62	1.07	−0.69	2.36	−0.60	2.99	−0.99	10.76	+6.35	5.35	+1.12	3.20	+0.09	2.72	−1.11	5.39	+1.16	3.39	+0.02	1.63	−0.76	2.21	+0.27	41.53	+3.24
Joplin	0.08	−2.08	0.98	−0.70	3.09	−0.11	4.11	−0.39	25.54	+20.18	4.35	−1.65	0.07	−4.55	1.10	−2.87	4.65	+0.73	3.86	+0.41	0.14	−2.63	2.64	+0.75	50.61	+6.89
Lakeside	0.36	−1.82	1.13	−0.69	2.41	−0.31	2.49	−0.91	11.38	+7.11	6.78	+2.17	2.82	+0.67	0.81	−2.36	5.16	+0.76	4.65	+1.84	1.00	−2.71	2.40	+0.10	41.42	+4.27
Lamar	T.	−1.83	1.08	−0.69	3.10	−0.09	2.25	−2.23	11.45	+9.19	8.86	+3.32	2.05	−2.17	2.40	−1.89	5.35	+0.80	3.30	−0.31	0.20	−2.33	2.30	+0.32	45.25	+2.16
Lebanon	0.14	−2.50	1.19	−1.00	3.00	−0.18	3.96	−0.39	12.07	+6.81	7.59	+2.42	0.71	−3.25	1.75	−2.74	2.22	−2.27	4.68	+0.91	0.70	−1.93	1.62	−0.66	39.61	−5.06
Lexington	0.69	−0.83	0.73	−1.11	1.72	−1.06	2.19	−1.61	6.83	+1.87	9.24	+4.69	4.08	+0.67	4.08	+0.56	2.48	−2.29	2.29	−0.04	0.37	−1.75	2.00	+0.41	37.40	−1.09
Lockwood	0.08	−1.78	1.05	−0.68	3.59	+0.03	2.87	−1.66	12.95	+7.63	5.60	−0.08	0.96	−3.80	3.58	−1.32	5.90	+1.12	3.66	−0.24	1.45	−1.39	2.08	−0.06	43.57	−2.23
Macomb	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.19	.....	1.60	.....	1.65	.....	4.43	.....	1.01	.....	2.97	.....	.....	.....
Marshall	0.60	−1.05	1.12	−0.66	1.37	−1.55	1.83	−2.06	9.49	+1.88	8.86	+2.56	4.27	+0.70	1.41	−2.49	4.58	−0.92	4.62	+1.49	0.61	−1.71	1.62	−0.13	59.88	+0.06
Marshfield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.57	.....	1.94	.....	2.13	.....	5.28	.....	0.28	.....	2.34	.....	.....	.....
Mountain Grove	0.18	−2.55	0.97	−1.26	3.60	−0.27	3.77	−0.75	11.04	+6.58	6.40	+1.46	1.32	−2.57	0.83	−3.51	1.45	−2.61	3.94	+0.48	0.69	−2.26	2.39	−0.62	36.58	−7.28
Mount Vernon	0.05	−2.65	0.95	−1.65	2.91	−0.98	3.52	−0.93	21.60	+16.09	7.37	+2.11	.....	.....	.....	.....	.....	.....	5.65	+1.67	0.25	−2.71	3.38	+0.84	.....	.....
Neosho	0.08	−2.39	0.87	−1.12	4.23	+0.68	5.27	+0.71	21.56	+16.00	6.03	+0.06	0.40	−4.25	1.68	−2.69	5.31	+1.02	6.07	+2.38	0.53	−2.77	3.07	+0.79

Monthly and Annual Precipitation for the Year 1943, with Departures from Normal Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Southwest Div.–Concluded																										
Nevada	0.06	−1.77	1.33	−0.42	3.51	+0.64	2.37	−1.92	13.88	+8.95	8.55	+3.10	1.39	−2.27	3.23	−0.51	4.99	+0.68	4.10	+1.03	0.09	−2.06	2.49	+0.74	45.99	6.16
Osceola	0.20	−1.93	0.97	−0.75	2.26	−0.93	2.28	−2.10	13.04	+7.57	7.24	+2.01	0.71	−3.15	1.95	−2.12	5.83	+1.02	4.23	1.07	0.55	−2.23	2.54	0.41	41.80	−1.13
Ozark Beach	0.10	−2.87	0.97	−0.83	2.80	−0.29	3.04	−1.43	12.85	+7.63	3.91	−1.97	0.11	−3.28	2.78	−1.55	4.18	+0.99	3.35	−0.52	0.84	−1.93	2.41	−0.34	37.34	−6.39
Pierce City	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.04	.....	1.84	.....	4.24	.....	5.86	.....	0.58	.....	3.04	.....	....	.....
Pineview Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.24	.....	2.94	.....	....	.....
Pleasant Hill	0.31	.....	0.83	.....	2.40	.....	3.17	.....	10.09	.....	6.91	.....	3.93	.....	3.99	.....	4.12	.....	4.52	.....	0.29	.....	2.01	.....	42.57	.....
Roby	0.18	.....	0.89	.....	3.12	.....	4.59	.....	9 16	.....	5.42	.....	3.90	.....	1.12	.....	2.09	.....	3.27	.....	1.09	.....	1.83	.....	36.66	.....
St. Thomas..2¼ miles SW	0.20	−2.28	0.89	−0.44	2.94	+0.43	3.19	+0.03	12.26	+7.88	....	.....	....	.....	0.96	−2.73	4.46	−0.40	4.15	+0.26	1.04	−2.16	1.81	−0.50	....	.....
Sedalia	0.59	−1.66	0.75	−1.39	1.72	−1.11	4.05	+0.32	10.73	+6.19	6 68	+0.80	4.26	−0.18	1.12	−4.06	5.55	+0.65	6.07	+3.39	1.15	−0.47	2.09	+0.81	44.16	+3.29
Seligman	0.05	−2.74	1.08	−0.76	2.80	−0.80	6.00	+1.94	15.03	+9.59	3.86	−1.09	2.15	−1.97	1.67	−2.33	4.45	+0.77	4.89	+1.43	0.95	−2.16	2.82	+0.62	45.73	+2.50
Seymour .... 3½ miles NE	0.09	−2.50	1.04	−1.14	3.57	−0.09	3.25	−1.07	13.74	+8.91	3.95	−1.39	1.78	−2.16	1.55	−2.69	2.66	−1.36	3.90	+0.42	1.43	−1.46	2.55	+0.29	39.51	−4.24
Shell Knob .....3 mi. SE	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	||||	.....	0.44	.....	2.84	.....	....	.....
Siloam Sprgs. Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.50	.....	1.40	.....	0.83	.....	3.49	.....	0.68	.....	2.03	.....	....	.....
Springfield .... ½ mile E	0.07	−2.27	0.92	−1.43	3.16	−0.23	3.84	−0.02	16.15	†10.96	4.70	+0.02	2.39	−1.82	2.10	−1.99	5.78	+2.26	3.99	+0.94	0.48	−2.31	2.66	+0.35	46.24	+4.46
Stover	0.21	−1.47	0.98	−0.45	1.81	−0.82	3.92	+0.10	14.19	+9.38	6.30	+0.95	1.03	−2.32	1.40	−2.52	3.84	−0.23	4.12	+0.10	0.90	−1.88	2.12	−0.02	40.82	+0.82
Sugar Camp Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	0.81	.....	....	.....	....	.....
Sweet Springs	0.87	.....	0.86	.....	1.59	.....	2.24	.....	9.24	.....	7.62	.....	4.17	.....	1.77	.....	4.65	.....	3.82	.....	0.28	.....	1.93	.....	39.04	.....
Tecumseh .....¼ mi. W	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.70	.....	0.46	.....	0.72	.....	2.95	.....	0.86	.....	2.18	.....	....	.....
Topaz	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.69	.....	1.70	.....	1.07	.....	....	.....	....	.....	2.43	.....	....	.....
Vanzant .....3¾ mi. SE	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.73	.....	1.74	.....	1.39	.....	2.66	.....	1.09	.....	2.60	.....	....	.....
Warrensburg	0.81	−0.97	0.71	−1.17	1.53	−1.56	2.74	−0.92	10.37	+5.65	5.01	−0.02	3.16	−0.81	0.91	−3.06	4.01	−0.77	4 39	+1.47	0.24	−1.98	2.02	+0.48	36.03	−3.66
Warsaw .....(A)	0.32	−1.82	0.86	−1.38	1.74	−1.81	3.64	−0.82	13.01	+8.01	9.82	+4.52	0.61	−3.40	1.54	−3.08	6.25	+1.22	4.79	+0.99	0.95	−1.69	3.03	+0.91	46.56	+1.65
Warsaw .....(B)	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	0 30	.....	1.53	.....	5.99	.....	4.16	.....	0.98	.....	2.96	.....	....	.....
Wasola	0.15	.....	0.81	.....	3.42	.....	3.58	.....	11.78	.....	4.98	.....	1.59	.....	1.41	.....	1.60	.....	3.87	.....	0.52	.....	2.90	.....	36.64	.....
Waverly	0.41	−1.13	0.83	−0.83	1.02	−1.74	1.76	−1.95	8.75	+4.14	11.71	+6.75	2.10	−2.28	1.59	−2.19	4.87	−0.47	3.35	+0.05	0.19	−2.09	1.57	−0.01	38.06	−1.75
Southeastern Division																										
Advance .....¼ mile W	0.13	.....	1 23	.....	5.68	.....	3.86	.....	8.03	.....	2.68	.....	2.73	.....	1.43	.....	3.82	.....	2.45	.....	1.40	.....	2.60	.....	36.04	.....
Alton.....10 miles SE	T.	.....	0.80	.....	3.17	.....	3.57	.....	7.19	.....	4.77	.....	1.12	.....	0.40	.....	1.93	.....	2.70	.....	0.77	.....	2.28	.....	28.50	.....
Annapolis	0.24	.....	1.28	.....	3.55	.....	4.07	.....	8.79	.....	4.41	.....	1.06	.....	4.30	.....	2.59	.....	2.67	.....	1.09	.....	2.03	.....	36.18	.....
Annapolis....4½ mi. NW	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.87	.....	4.37	.....	2.89	.....	2.76	.....	1.12	.....	2.00	.....	....	.....
Arcadia	0.09	−2.90	1.36	−1.12	2.52	−1.53	3.59	−1.23	11.25	+7.01	5.93	+1.79	1.83	−2.27	2.26	−2.11	3.57	−0.41	3.95	+0.50	1.32	−1.80	1.80	−1.05	39.49	−5.12
Banner	....	.....	....	.....	....	.....	....	.....	....	.....	3.36	.....	1.79	.....	2.52	.....	3.44	.....	3.00	.....	1.20	.....	1.86	.....	....	.....
Belleview	0.32	.....	1.04	.....	2.39	.....	2.87	.....	9.15	.....	3.86	.....	3.38	.....	1.41	.....	3.57	.....	3.32	.....	1.32	.....	1.89	.....	34.52	.....
Birch Tree ..... ½ mile E	0.43	−3.05	0.90	−1.60	2.74	−1.24	3.57	−1.19	10.29	+5.94	2.74	−1.67	2.31	−1.27	0.25	−4.51	1.42	−2.26	2.35	−0.93	1.16	−2.00	2.26	−0.49	30.12	−14.27
Bragg City	0.97	−4.03	1.61	−2.04	5.93	+0.65	2.76	−1 24	5.84	+2.76	3.93	+0.52	1.44	−2.54	1.29	−2.20	4.89	+1.04	4.89	+1.04	....	.....	....	.....	....	.....
Bunker ..... 4 miles NW	....	.....	....	.....	....	.....	....	.....	....	.....	4.42	.....	1.30	.....	2.14	.....	3.07	.....	3.32	.....	1.17	.....	1.43	.....	....	.....
Campbell	0.70	−4.60	0.75	−2 58	4.80	−1.12	3.71	−0.55	8.59	+3.38	1.56	−2.68	0.95	−2.53	2.23	−3.75	2.41	−1.46	2.00	−1.10	0.82	−2.88	2.68	−1.27	31.00	−21.14
Cape Girardeau	T	−3.98	1.06	−1.34	6.23	+2.39	2.58	−1.39	9 89	+5.82	3.33	−0.97	1.24	−2.18	4.91	+1.01	4.74	+0.73	1.59	−1.71	2.09	−1.49	1.61	−2.06	39.27	−5.08
Carulhersville	0.57	−4.62	2.16	−1.22	7.36	+2.90	3.67	−0.85	6.28	+1.81	2.73	−1.08	1.23	−2.06	2.04	−1.65	3.53	+0.32	1 97	−1.39	1.45	−2.40	3.49	−1.05	36.48	−11.26
Centerville	0.08	.....	1.07	.....	2.85	.....	4.43	.....	11.65	.....	5.25	.....	1.41	.....	2.00	.....	2.66	.....	2.94	.....	1.25	.....	2.05	.....	37.64	.....
Crane Mountain	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.08	.....	4.15	.....	3.19	.....	2.96	.....	1.07	.....	1.89	.....	....	.....
Crystal City	0.31	−1.98	0.45	−1.42	2.73	+0.05	2 69	−0.95	8.21	+4.05	4.97	−0.45	2.65	−0.56	1.35	−1.08	5.08	+1.70	2.18	−0.59	1.23	−2.19	1.74	−0.80	33.59	−4.22
Deering	0.62	.....	1.88	.....	6.52	.....	2.92	.....	4.96	.....	2.91	.....	0.37	.....	1.61	.....	2.23	.....	1.36	.....	1.05	.....	3.60	.....	30.09	.....
Dexter	0.14	−4.90	0.81	−2.27	4.50	−0.38	3.81	−0.78	7.42	+2.63	3.69	−0.72	3.56	+0.44	2.79	−1.33	7.43	+2.91	2.52	−1.74	1.19	−2.73	2.94	−1.05	40.80	−9.92
Doniphan	0.01	−4.09	1.12	−2.19	3.96	−0.43	3.27	−1.66	8.68	+4.32	4.17	−0.19	1.47	−2.57	2.30	−1.94	6.59	+2.98	3.37	+0.31	1.25	−2.17	1.64	−2.08	37.83	−9.71
East End	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1 74	.....	2.21	.....	3.95	.....	3.21	.....	1.18	.....	1.29	.....	....	.....
Eastwood Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.23	.....	0.49	.....	1.92	.....	....	.....
Ellington	....	.....	....	.....	....	.....	....	.....	....	.....	3.20	.....	1.70	.....	2.10	.....	3.30	.....	2.20	.....	1.10	.....	....	.....	....	.....
Ellsinore Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.60	.....	....	.....	....	.....	3.48	.....	....	.....	2.34	.....	....	.....
Farmington	0.02	−3.12	1.34	−1.18	2.11	−1.81	3.31	−1.18	10.66	+5.59	5.14	+1.26	2.39	−1.17	5.19	+0.89	3.05	−0.75	2.91	−0.53	1.32	−1.50	1.69	−1.11	39.16	−4.61
Fisk	0 09	−4.92	0.54	−2.72	5.76	+0.94	4.40	+0.70	6.33	+2.83	1.94	−1.92	0 43	−2.95	1.51	−1.74	5.22	+0.98	3.07	+0.11	0.16	−2.50	2.63	−0.84	32.08	−12.03
Fredericktown	0.28	−3.43	1.44	−1.19	3.09	−0.56	3.23	−1.25	8.85	+4.76	4.23	0.00	1.11	−2.11	4.05	−0.21	3.75	−0.21	2.74	−1.65	1.14	−2.18	0.87	−2.30	34.78	−10.33
Gerald	0.33	.....	0.92	.....	2.30	.....	2 49	.....	10 50	.....	5.51	.....	2.30	.....	....	.....	3.85	.....	5.08	.....	2.17	.....	1.92	.....	....	.....
Goodland	0 07	−2.63	0.60	−1.68	2.46	−1.49	3.45	−1.14	11.67	+7.16	5.71	+1.65	2.88	−0.81	2 27	−1.97	5.11	+1.25	2.92	−0.67	0.97	−1.75	1.89	−0.56	39.94	−2.94
Greenville	0.02	−3.30	1 35	−1.37	5.27	+1.01	3.92	−0.78	9.08	+4 99	3.28	−1.41	....	.....	1.36	−2.92	2.97	−0.35	3.17	−0.11	||||	.....	1.91	−1.45	....	.....
High Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	3.90	.....	2.53	.....	1.47	.....	2.10	.....	0.84	.....	1.93	.....	....	.....
Jackson	0.33	−3.61	1.40	−1.48	6.80	+2.63	2 32	−2.02	9.77	+5.50	2.42	−2.27	0.88	−2.66	6.83	+2.75	5.97	+1.95	2.29	−1.23	1.81	−1.57	2.67	−0.76	43.49	−2.77
Jefferson Barracks	1.41	−0.85	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	||||	.....	0.70	−2.79	1.78	−0.39	....	.....
Jerome	0.35	−1.63	0.95	−1.37	3.05	+0.20	3.16	−0.67	9.40	+5.09	8.45	+4.70	1.81	−1.49	1.68	−2.60	3.05	−0.54	3.65	+1.63	1.55	−0.92	1.50	−0.33	38.60	+2.07
Koshkonong	0.04	−3.58	....	.....	2.66	−1.44	2.15	−2.87	8.20	+3.65	3.27	−1.23	0.22	−3.55	0.11	−4.05	1.36	−2.28	2.61	−0.61	0.56	−2.70	2.41	−1.07	....	.....
Leeper	0.02	−3.88	1.50	−1.15	4.60	+0.96	3.66	−1.26	10.47	+6.07	2.86	−2.58	5.10	+1.78	2.34	−1.77	2.86	−0.37	2.42	−1.49	0.76	−2.62	2.02	−1.76	38.61	−8.07
Licking ..... 4 miles N	0.24	.....	0.90	.....	2.95	.....	3.95	.....	9.21	.....	8.06	.....	2.98	.....	0.20	.....	3.81	.....	3.62	.....	1.60	.....	0.76	.....	38.28	.....
Macedonia Lookout	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.89	.....	2.09	.....	2.69	.....	2.85	.....	1.01	.....	2.10	.....	....	.....
Malden .....4 miles NNW	....	.....	....	.....	....	.....	3 81	.....	7.82	.....	3.36	.....	1 93	.....	0.39	.....	3.45	.....	2.06	.....	0.97	.....	2.59	.....	....	.....
Marble Hill	T.	−3.87	1.22	−1.86	3.99	−0.29	2.84	−1.65	9 40	+4.91	4.98	+0.50	3 52	−0.50	5.27	+1.15	6.40	+2.52	4.00	+0.58	0.70	−2.85	1.68	−1.99	44.60	−3.35
Meramec Park	0.61	.....	0.72	.....	2.57	.....	3.13	.....	9 55	.....	6.09	.....	2.96	.....	4.59	.....	3.09	.....	3.05	.....	0.85	.....	1.50	.....	38.71	.....
Morehouse	0.12	−4.79	0.92	−2.82	4.11	−0.80	4.16	−0.69	6.94	+2.66	4.18	−0.05	2.00	−1.01	3.77	−0.14	4.81	+0.89	1.57	−1.96	1.11	−2.52	2.82	−1.40	36.51	−12.63
Moselle	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	||||	.....	0.80	.....	1.89	.....	....	.....
New Madrid	0 58	−4.91	1.23	−2.52	5.11	+0.28	3 30	−1.28	8.72	+4.29	4.26	−0.24	3.67	−0.30	2.97	−1.13	2.95	−0.64	2.16	−1.61	....	.....	....	.....	....	.....
Owensville	0.23	−1.59	1.03	−0.63	1.58	−1.74	3.18	−0.13	10.27	+5.47	5.40	+0.75	3.88	+0.26	3.92	+0.08	3.95	+0.46	3.81	+0.38	2.24	−0.57	2.19	−0.14	41.68	+2.60
Pacific	0.81	−1.55	1.11	−1.00	3.66	−0.05	2.90	−1.27	11.09	+6.14	5.88	+1.35	1.24	−2.40	1.75	−1.94	3.65	−0.15	3.43	+0.40	1.24	−1.51	1.72	−0.48	38.51	−2.46
Parma	0 31	−4.95	0.85	−2.03	4.67	−0.69	3.20	−1.04	6.14	+1.98	3.13	−0.35	0.51	−3.38	3.04	−1.53	3.99	−1.06	1.83	−1.31	0.98	−3.49	2.69	−2.09	31.34	−19.94
Perryville	0.03	.....	1.20	.....	2.04	.....	4.16	.....	10.12	.....	7.56	.....	4.81	.....	5.05	.....	4.69	.....	3.10	.....	1.10	.....	2.00	.....	45.86	.....
Pilot Knob..... 2 mi NE	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	3.07	.....	1.53	.....	4.43	.....	3.19	.....	1.92	.....	1.83	.....	....	.....
Poplar Bluff .....(A)	0.18	−4.21	1.03	−1.86	7.32	+2.96	3.79	−0.72	7.13	+2.61	3.34	−0.78	0.95	−2.99	....	.....	4.37	+0.48	3.74	+0.08	0.86	−2.62	2.14	−1.85	....	.....
Poplar Bluff .....(B)	0.07	.....	0.89	.....	5.44	.....	3.68	.....	6.75	.....	3.83	.....	0.54	.....	2.33	.....	4.28	.....	4.06	.....	0.99	.....	2.27	.....	35.18	.....
Reynolds	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	0.78	.....	3.11	.....	3.08	.....	2.89	.....	0.85	.....	1.90	.....	....	.....
Richwoods	0.20	.....	0.73	.....	2.12	.....	3.11	.....	8.32	.....	3.72	.....	2.23	.....	2.32	.....	2.89	.....	2.12	.....	1.73	.....	1.65	.....	31.24	.....
Rolla	0.35	−2.11	0.98	−1.07	2.20	−1.43	2.82	−1.40	9.83	+5.08	8.75	+4.34	0.84	−2.55	1.72	−2.72	3.11	−1.03	3.65	+0.19	0.95	−1.73	1.76	−0.42	36.96	−4.85
Round Spring	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.27	.....	2.51	.....	1.37	.....	3.69	.....	1.11	.....	1.86	.....	....	.....
St. Louis City Office	0.74	−1.60	1.13	−1.43	3.19	−0.19	1.87	−1.94	10.20	+5.86	5.87	+2.05	1.31	−1.67	1.85	−1.14	2.40	−1.06	2.22	−0.50	0.97	−1.86	1.85	−0.36	33.60	−3.84
St. Louis Airport	0.60	−1 66	0.76	−1.48	3.20	+0.32	2.54	−1.08	11.20	+7.28	5.91	+1.62	2.91	+0.25	1.35	−1.67	3.46	−0.91	2.71	−0.71	1.12	−1.28	1.77	+0.04	37.53	+0.72
St. Louis University	0.66	−1.94	0.78	−1.53	2.80	−0.54	1.73	−2.13	9.70	+5.51	5.02	+1.43	2.58	−0.60	1.61	−2.33	2.26	−1.50	2.63	−0.53	0.74	−1.80	2.09	−0.35	32.60	−6.31
Washington University	0.70	.....	1.62	.....	3.00	.....	2.49	.....	11.56	.....	6.49	.....	0.90	.....	3.25	.....	3 21	.....	2.71	.....	1.13	.....	1.93	.....	38.99	.....
Salem	0.12	−2.60	0 93	−1.35	4.28	+0.41	4.11	−0.39	8.90	+4.39	5.84	+1.19	1.50	−2.00	2.78	−1.79	3.38	−0.50	3.74	+0.12	1.38	−1.26	1.71	−0.83	38.67	−4.61
Sikeston	0.18	−4.68	1.09	−2.13	4.80	+0.34	3.86	−0.76	5.69	+1.45	6.73	+2.54	1.26	−2.46	2.43	−1.37	5.90	+2.02	1.32	−1.95	1.24	−2.32	3.20	−0.74	37.70	−10.06
Summersville	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.26	.....	1.68	.....	1.15	.....	3.70	.....	1.20	.....	2.11	.....	....	.....
Union	0.60	−1.72	0.67	−1.53	2.88	−0.42	3.46	−0.90	9.06	+4.52	6 81	+2 54	2.13	−1.81	2.53	−2.17	3.34	−0.85	2.77	−0.71	1.10	−1.65	1.67	−0.54	37.05	−5.24
Valley Park	0 65	−1.61	0.85	−1.04	3.03	−0.34	2.35	−1.77	11 02	+6.55	6.06	+2.18	0.79	−2.13	3 94	−0.11	3.53	−0.01	2.13	−1.26	1.04	−1.56	1.96	−0.21	37.35	−1.31
Van Buren	T.	.....	0.76	.....	3.65	.....	2.55	.....	7.46	.....	3.27	.....	4.06	.....	2.17	.....	1.88	.....	1.88	.....	0.60	.....	2.19	.....	30.47	.....
Vichy ..... 2 miles NW	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.52	.....	1.82	.....	0.43	.....	3.11	.....	1.41	.....	1.85	.....	....	.....
Wappapello Dam	0.04	.....	1.17	.....	5.17	.....	4.49	.....	5.52	.....	3.81	.....	1 75	.....	3.13	.....	4.90	.....	3.63	.....	0.96	.....	1.99	.....	36.56	.....
Weingarten	0.14	.....	1.16	.....	....	.....	3.30	.....	11.45	.....	4.00	.....	2.82	.....	3.57	.....	3.17	.....	2.10	.....	1.20	.....	1.79	.....	....	.....
West Plains	0.17	.....	0.79	.....	3.16	.....	3.99	.....	7.93	.....	2.78	.....	1.34	.....	0.85	.....	0.88	.....	2.71	.....	0.96	.....	2.36	.....	27.92	.....
Wilderness	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.05	.....	3.10	.....	....	.....	3.65	.....	0.55	.....	2.15	.....	....	.....
Williamsville	0.03	−4.43	1.23	−1.41	4.12	+0.22	3.31	−1.41	7 71	+3.24	7.05	+1.22	2.16	−1.87	2.31	−3.03	3.31	−0.06	3.25	−0.86	1.09	−2.50	1.99	−2.37	37.56	−13.26
Willow Springs	0.13	−3.05	0.85	−1.71	2.68	−1.56	3.23	−1.61	11.83	+7.23	3.46	−1.37	1.08	−2.72	1.93	−2.75	1.19	−2.89	3.68	+0.36	0.97	−2.37	2.25	−0.55	32.68	−12.99
Winona Ranger Station	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	3.11	.....	2.43	.....	1.70	.....	2.46	.....	0.80	.....	2.05	.....	....	.....
Zalma .....3½ miles S	0.06	.....	1.11	.....	6.35	.....	4.18	.....	6.91	.....	2.39	.....	1.47	.....	2.38	.....	3.50	.....	3.77	.....	1.29	.....	2.25	.....	35.66	.....
Cairo, Ill	0.33	−3.43	1.11	−2.02	5.06	+1.31	3.24	−0.48	6.11	+2.40	2.69	−1.14	2.08	−0.99	1.48	−1.54	4.26	+1.37	1.61	−1.15	1.17	−2.51	2.56	−0.84	31.70	−9.02

¶ Estimated |||| Incomplete ‖ Partially estimated † Indicates plus.

Monthly and Annual Mean Temperatures for the Year 1943, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northern Division																										
Albany	24.5	.....	35.3	.....	36.4	.....	54.2	.....	60.3	.....	72.9[b]	.....	77.5	.....	76.4	.....	62.8	.....	53.3	.....	37.6	.....	27.3	.....	51.5	.....
Bethany	24.2	− 0.6	34.2	+ 6.7	36.2	− 4.1	52.2	+ 0.7	60.0	− 2.5	72.7	+ 0.7	77.3	+ 1.0	76.3	+ 1.3	62.2	− 4.9	54.0	− 0.8	37.9	− 4.9	25.2	− 4.9	51.0	− 1.0
Brookfield	26.4	.....	36.2[a]	.....	40.7[c]	.....	57.2	.....	62.8	.....	75.6	.....	79.4	.....	78.9	.....	64.3	.....	54.6	.....	39.1	.....	.....	.....	.....	.....
Brunswick	25.8	− 0.9	34.8	+ 5.0	36.6	− 5.3	53.4	− 0.8	61.1	− 3.1	75.0	+ 2.0	79.2	+ 3.1	79.0	+ 4.8	64.9	− 2.1	54.8	− 0.5	39.3	− 2.3	27.6	− 3.0	52.6	− 0.3
Canton, Loek & Dam No. 20	26.8	.....	32.9	.....	36.5	.....	52.3	.....	60.6	.....	74.4	.....	77.8	.....	77.5	.....	64.0	.....	54.6	.....	38.4	.....	27.8	.....	52.0	.....
Chillicothe	23.3	− 1.1	34.8	+ 2.5	35.4	− 6.3	52.7	+ 0.7	60.3	− 2.6	74.0	+ 1.7	77.6	+ 0.6	76.7	+ 1.2	63.7	− 3.8	54.2	− 0.8	38.5	− 2.8	26.0	− 3.9	51.4	− 1.2
Clifton Hill	27.4	− 0.7	37.6	+ 7.4	39.6	− 2.6	54.9	+ 1.4	62.4	− 1.2	74.6	+ 2.2	78.8	+ 2.4	79.0	+ 3.0	66.0	− 2.6	56.5	− 0.2	41.0	− 2.4	29.2	− 1.8	53.9	+ 0.4
Columbia	29.3	− 1.5	38.4	+ 6.0	39.0	− 3.9	55.0	+ 0.1	63.0	− 2.1	75.8	+ 2.3	80.1	+ 2.6	79.9	+ 3.7	65.4	− 4.0	56.3	− 0.6	41.6	− 2.5	29.4	− 4.6	54.4	− 0.4
Conception	23.5	− 1.2	35.2	+ 7.0	36.6	− 3.2	55.6	+ 3.4	61.0	− 1.1	73.8	+ 2.3	78.8	+ 2.2	78.4	+ 3.7	64.2	− 3.0	55.4	0.0	37.8	− 3.6	27.0	− 2.2	52.3	+ 0.4
Edgerton	25.6	− 1.3	36.5	+ 2.2	38.0	− 5.2	55.8	+ 2.0	61.2	− 1.8	75.6	+ 3.7	78.0	+ 1.9	80.0	+ 4.9	63.8	− 4.1	53.1	− 3.2	37.8	− 4.0	27.2	− 3.2	52.7	− 0.7
Elsberry	....	.....	.....	.....	40.7[d]	− 2.8	55.3	+ 1.7	63.6	− 1.1	75.6	+ 1.2	79.0[a]	− 0.4	78.8	+ 2.3	64.4	− 4.9	55.6[a]	− 1.9	40.7	− 2.7	29.6	− 4.8	....	.....
Fayette	27.3	+ 0.5	37.6	+ 7.0	39.0	− 2.9	54.4	+ 0.2	61.2	− 2.6	73.8	+ 1.0	78.0	+ 0.8	78.4	+ 2.5	65.2	− 2.9	55.6	− 0.8	41.2	− 1.0	28.6	− 2.5	53.4	− 0.1
Fulton	29.6	+ 0.1	38.8	+ 5.7	39.9	− 4.2	54.8	+ 0.2	62.8	− 1.8	75.2	+ 2.0	79.4	+ 1.7	79.0	+ 2.6	65.0	− 3.9	56.3	− 1.1	40.4	− 3.8	28.4	− 5.1	54.1	− 0.6
Grant City	22.7	− 2.1	33.0	+ 4.4	34.7	− 6.6	52.8	+ 0.6	59.7	− 2.3	72.6	+ 1.8	76.4	+ 0.2	75.7	+ 0.8	62.0	− 5.0	53.4	− 1.7	37.1	− 4.8	27.2	− 0.8	50.6	− 1.3
Hannibal	26.1	− 1.0	35.0	+ 5.3	37.2	− 3.8	52.4	− 1.0	60.6	− 3.0	74.2	+ 1.7	77.6	+ 0.8	77.2	+ 2.2	63.4	− 4.3	55.0	− 1.0	38.2	− 3.9	26.6	− 4.9	52.0	− 1.0
Kansas City Airport	28.3	+ 0.1	38.6	+ 7.4	39.0	− 3.7	57.2	+ 2.4	62.6	− 2.2	76.6	+ 3.0	81.3	+ 3.2	81.0	+ 4.4	66.3	− 2.6	56.6	− 1.1	41.7	− 2.0	30.6	− 1.9	55.0	+ 0.6
Kansas City University	29.0	.....	39.5	.....	40.2	.....	58.0	.....	62.6	.....	76.4	.....	79.4	.....	79.8	.....	66.0	.....	57.2	.....	43.2	.....	32.0	.....	55.3	.....
Kidder	25.0	− 1.0	35.9	+ 7.5	38.0	− 2.8	54.0	+ 1.8	60.6	− 2.0	74.0	+ 2.2	77.9	+ 1.3	77.4	+ 2.0	63.6	− 3.7	54.4	− 1.4	38.4	− 3.4	27.2	− 2.0	52.2	− 0.1
Kirksville	24.8	0.0	35.4	+ 8.3	37.5	− 2.2	53.5	+ 1.6	62.0	− 0.3	75.0	+ 3.3	78.7	+ 2.7	77.6	+ 3.6	64.0	− 2.3	55.7	+ 1.0	38.2	− 2.4	27.4	− 2.2	52.5	+ 0.8
Lawson	26.2	.....	36.8	.....	38.1	.....	54.9	.....	60.8	.....	75.0	.....	78.2	.....	78.8	.....	63.8	.....	55.6	.....	41.4	.....	29.0	.....	53.2	.....
Louisiana	26.7	− 1.4	34.6	+ 3.7	35.2	− 8.3	51.0	− 3.0	60.2	− 3.5	75.0	+ 2.9	76.4	0.0	77.1	+ 2.2	62.4	− 5.6	51.9	− 4.3	39.2	− 4.9	27.8	− 4.0	51.5	− 2.1
Macon	24.2	− 3.3	33.2	+ 3.6	34.6	− 7.6	51.0	− 2.1	59.3	− 4.2	73.0	+ 0.6	77.6	+ 0.4	77.6	+ 1.5	63.7	− 4.2	54.8	− 1.5	38.0	− 4.8	26.0	− 4.1	51.1	− 2.1
Maryville	22.8	− 0.1	34.1	+ 8.3	36.0	− 1.9	54.3	+ 3.5	59.8	− 1.5	73.0	+ 3.2	77.6	+ 1.9	76.1	+ 2.3	62.3	− 3.3	53.4	− 0.1	35.7	− 3.7	25.8	− 1.0	50.9	+ 0.6
Memphis	21.9	.....	30.5	.....	33.1	.....	49.7	.....	58.2	.....	73.0	.....	77.2	.....	77.0	.....	62.4	.....	54.0	.....	35.7	.....	25.1	.....	49.8	.....
Mexico	27.6	− 0.4	35.0	+ 4.9	36.8	− 5.2	52.6	− 1.2	62.2	− 1.8	76.1	+ 2.9	79.9	+ 2.6	79.8	+ 3.8	65.4	− 3.1	55.0	− 1.3	40.2	− 2.7	28.0	− 3.8	53.2	− 0.5
Moberly	26.2	.....	34.2	.....	36.4	.....	53.0	.....	61.2	.....	74.8	.....	78.6	.....	77.8	.....	64.5	.....	54.6	.....	38.6	.....	26.8	.....	52.2	.....
New Florence.... 1 mile SE	....	.....	.....	.....	.....	.....	52.3	.....	61.6	.....	74.2	.....	78.4	.....	78.0	.....	63.6	.....	55.1	.....	39.6	.....	28.0	.....	.....	.....
Oregon	25.2	+ 1.1	37.0	+ 8.2	37.5	− 2.1	56.0	+ 3.3	61.6	− 1.6	75.2	+ 3.0	80.0	+ 4.4	80.2	+ 5.0	65.4	− 1.7	56.2	+ 1.1	39.2	− 1.3	28.8	+ 0.1	53.5	+ 1.6
St. Charles	30.8	− 0.2	37.6	+ 4.3	39.3	− 5.2	53.8	− 1.8	63.4	+ 0.3	77.1	+ 3.2	80.5	+ 2.4	79.9	+ 3.1	65.4	− 2.9	57.0	− 1.2	41.4	− 3.9	28.4	− 6.5	54.6	− 0.6
St. Joseph	25.4	− 0.1	36.8	+ 7.2	37.2	− 3.3	55.4	+ 1.9	61.0	− 3.2	75.1	+ 1.4	80.0	+ 2.6	79.5	+ 3.0	65.1	− 3.3	55.8	− 0.2	39.8	− 1.7	29.1	− 0.5	53.4	+ 0.4
Saverton, Loek & Dam 22	28.0	.....	36.6	.....	38.5	.....	53.4	.....	61.9	.....	75.4	.....	78.4	.....	78.6	.....	64.6	.....	56.4	.....	39.6	.....	28.2	.....	53.3	.....
Shelbina	26.6	.....	35.8	.....	38.0	.....	53.6	.....	61.1	.....	75.8	.....	78.0	.....	78.0	.....	64.4	.....	54.7	.....	38.3	.....	27.4	.....	52.6	.....
Steffenville	25.6	− 1.8	35.2	+ 5.5	37.6	− 4.6	53.5	+ 0.4	61.1	− 2.7	74.2	+ 1.6	77.9	+ 0.1	78.4	+ 1.9	65.0	− 4.0	55.6	− 1.8	38.8	− 4.7	26.5	− 4.1	52.4	− 1.2
Tarkio	21.0	− 1.9	33.2	+ 4.2	34.9	− 5.2	54.3	+ 2.1	60.8	− 1.8	72.0	+ 0.2	77.6	+ 0.8	78.6	+ 3.4	62.0	− 4.3	....	.....	....	.....	....	.....	.....	.....
Trenton	25.4	− 0.9	35.9	+ 6.5	38.4	− 2.7	53.8	+ 1.1	61.8	− 1.7	74.8	+ 2.6	78.6	+ 1.8	77.6	+ 2.4	64.6	− 2.6	55.3	− 0.6	39.7	− 2.5	28.0	− 1.6	52.8	+ 0.2
Unionville	22.2	− 1.3	31.8	+ 5.1	34.0	− 4.9	51.2	+ 0.2	60.1	− 2.0	74.8	+ 3.5	77.5	+ 1.0	76.2	+ 1.4	63.6	− 3.5	54.6	− 0.6	36.6	− 3.7	24.7	− 2.9	50.6	− 0.6
Warrenton	31.2	+ 2.0	38.9	+ 8.0	40.3[a]	− 2.2	55.4	+ 0.6	63.4[b]	− 1.5	74.7[a]	+ 1.3	79.1[a]	+ 1.6	78.8	+ 2.3	64.8[a]	− 4.2	56.2[a]	+ 0.2	43.2[e]	0.0	....	.....	.....	.....
Keokuk, Iowa	25.0	+ 0.1	33.4	+ 5.1	36.4	− 2.5	51.5	− 0.8	60.4	− 3.4	74.6	+ 2.1	79.0	+ 2.1	77.6	+ 2.6	63.8	− 3.7	55.9	+ 0.5	38.4	− 2.7	28.4	− 1.2	52.0	− 0.2
Division means	25.9	− 0.7	35.6	+ 5.8	37.4	− 4.1	53.3	+ 0.7	61.3	− 2.1	74.6	+ 2.1	78.5	+ 1.6	78.2	+ 2.8	64.2	− 3.6	55.1	− 0.9	39.2	− 3.1	27.7	− 3.0	52.6	− 0.4
Southwestern Division																										
Anderson.....1½ miles SW	35.8	− 0.1	44.0	+ 8.3	....	.....	.....	.....	.....	.....	.....	.....	80.2	+ 2.9	80.8	+ 3.1	66.9	− 4.1	57.4	− 1.3	47.2	− 2.1	34.6[a]	− 2.9	....	.....
Appleton City	30.0	− 1.3	40.0	+ 6.1	40.0	− 5.1	57.4	+ 1.3	63.2	− 1.8	75.0	+ 0.6	79.4	+ 1.2	81.4	+ 3.6	66.4	− 4.0	56.5	− 2.4	43.8	− 2.2	31.6	− 3.0	55.4	− 0.6
Bolivar	32.8	− 1.1	41.8[b]	+ 6.6	40.8	− 5.5	57.2	+ 0.9	64.0	− 0.8	75.2	+ 2.4	80.5	+ 3.2	81.4	+ 4.5	66.6	− 3.3	56.9	− 1.7	44.6	− 2.2	32.9	− 2.7	56.2	0.0
Boonville	26.6	.....	34.8	.....	36.6	.....	53.2	.....	61.3	.....	74.4	.....	77.8	.....	77.0	.....	62.4	.....	52.0	.....	38.2	.....	27.4	.....	51.8	.....
Carthage	33.8	.....	43.7	.....	42.8	.....	60.2[a]	.....	66.4	.....	77.0	.....	81.5	.....	84.0	.....	68.2	.....	57.9	.....	46.6	.....	34.6	.....	58.1	.....
Clinton	30.0	− 1.7	39.6	+ 6.0	39.2	− 5.8	56.8	+ 0.5	63.2	− 2.3	75.6	+ 1.8	80.2	+ 1.9	80.8	+ 3.2	66.6	− 4.2	56.0	− 2.9	42.8	− 4.2	31.0	− 3.7	55.2	− 1.1
Eldon	30.4	− 0.7	37.5	+ 4.4	37.8	− 5.8	54.2	− 1.2	62.4	− 1.8	74.9	+ 1.9	78.4[b]	+ 1.2	79.8	+ 3.4	65.6[e]	− 3.8	56.1	− 1.3	41.4	− 3.4	29.8[a]	− 4.5	54.0	− 1.0
Fort Leonard Wood	35.1	.....	43.4	.....	41.8	.....	.....	.....	65.4	.....	76.9	.....	80.4	.....	82.0	.....	66.1[a]	.....	55.6	.....	43.2	.....	32.4	.....	.....	.....
Harrisonville	26.6	− 0.7	37.1	+ 6.4	36.9	− 4.4	55.2	+ 1.3	61.4	− 2.4	74.3	+ 1.2	79.4	+ 1.7	79.4	+ 3.5	65.8	− 2.7	56.0	− 0.1	41.9	− 0.6	29.4	− 1.9	53.6	+ 0.1
Jefferson City	29.4	− 0.4	37.9	+ 5.8	38.0	− 5.6	54.2	− 1.8	62.7	− 2.0	75.6	+ 1.8	79.3	+ 1.2	79.7	+ 3.0	65.6	− 3.7	55.5	− 1.3	41.8	− 2.3	29.8	− 3.1	54.1	− 0.7
Joplin	35.8	+ 0.9	44.0	+ 8.2	42.5	− 6.1	60.8	+ 2.3	66.2	− 0.1	77.6	+ 4.2	83.6	+ 5.5	85.1	+ 7.8	69.1	− 3.0	59.0	− 1.2	47.6	− 0.7	35.0	− 4.2	58.9	+ 1.1
Lakeside	32.0	− 1.0	37.7	+ 3.7	39.4	− 5.2	54.8	−− 0.6	....	.....	.....	.....	.....	.....	79.4[m]	+ 0.3	66.4	− 4.6	56.6	− 3.2	42.8	− 1.7	31.3	− 6.0	....	.....
Lamar	28.6	− 3.5	34.7	− 0.6	37.3	− 8.7	54.8	− 1.8	61.1	− 4.5	73.8	− 0.4	78.4	0.0	79.6	+ 1.9	65.4	− 5.4	54.8	− 4.1	43.4	− 2.9	32.0	− 3.2	53.7	− 2.8
Lebanon	32.2	− 0.8	38.2	+ 3.8	36.2	− 8.8	53.0	− 2.5	62.4[a]	− 2.5	73.9	+ 1.2	77.8	+ 0.9	81.1	+ 5.0	65.6	− 3.8	55.2	− 2.5	42.4	− 3.2	32.8[a]	− 2.0	54.2	− 1.2
Lexington	26.4	− 1.4	37.4	+ 6.4	37.8	− 5.6	55.2	+ 0.6	61.7	− 2.7	75.4	+ 2.5	80.2	+ 2.8	79.7	+ 3.5	65.9	− 2.9	56.4	− 1.1	41.0	− 3.2	29.3	− 2.7	53.9	− 0.3
Lockwood	34.1	+ 0.8	42.8	+ 5.8	41.9	− 5.4	58.4	+ 1.9	64.9	+ 0.5	77.2	+ 3.6	82.0	+ 4.4	83.8	+ 6.6	68.2	− 2.7	58.1	− 0.6	46.5	− 0.5	34.3	− 1.8	57.7	+ 1.0
Marshall	28.5	+ 0.6	39.8	+ 8.9	40.6	− 2.4	56.8	+ 2.0	63.2	− 1.0	75.6[a]	+ 2.4	79.6	+ 2.1	80.3	+ 4.3	66.1	− 2.7	56.4	− 0.2	42.2	− 3.0	30.2	− 1.7	54.9	+ 0.8
Mountain Grove	36.0	+ 3.2	42.5	+ 7.4	40.8	− 4.6	57.3	+ 2.4	64.6	+ 0.8	74.7	+ 2.9	79.2	+ 2.8	80.8	+ 5.3	67.7	− 1.2	57.4	− 0.2	46.4	+ 0.5	33.5	− 1.2	56.7	+ 1.5
Mount Vernon	34.4	+ 1.1	43.1	+ 8.6	41.8	− 4.1	58.0	+ 1.9	64.2	− 1.6	76.4[a]	+ 3.1	.....	.....	79.6[g]	+ 2.9	65.2[h]	− 5.3	57.6	− 1.0	48.2[d]	+ 2.4	....	.....	.....	.....
Neosho	36.2	+ 1.1	44.2	+ 6.6	44.0	− 4.1	60.6	+ 2.3	66.4	+ 0.4	77.6	+ 3.8	80.6	+ 3.1	82.6	+ 5.5	68.5	− 2.0	58.0	− 1.2	47.8	+ 0.5	35.8	− 1.3	58.5	+ 1.2
Nevada	32.0	+ 0.1	42.0	+ 8.1	41.4	− 3.5	59.0	+ 3.3	64.2	− 0.3	76.2	+ 2.7	80.8	+ 1.2	82.2	+ 5.1	68.2	− 1.3	58.1	+ 0.5	45.8	+ 1.0	33.4	− 1.9	56.9	+ 1.2
Ozark Beaeh	35 0	.....	40.7	.....	41.1	.....	58.4	.....	66.6	.....	78.4	.....	82.2	.....	81.8	.....	67.4	.....	57.7	.....	45.6	.....	35.4	.....	57.5	.....
Sedalia	30.0	+ 3.6	40.9	+10.5	41 5	− 1.3	57.6	+ 2.3	63.6	− 1.7	76.6	+ 2.4	80.6	+ 3.1	81.4	+ 4.9	67.2	− 2.0	57.4	− 0.3	43.2	− 0.1	31.0	− 2.9	55.9	+ 1.5
Seligman	34.3	− 0.8	42.0[a]	+ 4.5	43.6[b]	− 3.0	59.0[a]	+ 2.4	64.7[b]	+ 0.2	74.7[a]	+ 2.3	78.8	+ 2.1	81.2[a]	+ 5.0	66.8	− 2.8	56.4[e]	− 2.6	46.7[e]	− 0.6	35.0[a]	− 2.3	56.9	+ 0.3
Seymour ..... 3½ miles NE	34.0	0.0	41.2	+ 6.2	39.6	− 5.8	55.8	+ 0.1	63.0	− 0.7	74.0	+ 2.3	77.7	+ 2.2	79.8	+ 4.8	66.1	− 2.7	55.2	− 2.2	44.6	− 1.3	33.4	− 2.0	55.4	+ 0.1
Springfield..... ½ mile E	32.9	+ 0.6	40.4	+ 6.4	38.6	− 5.0	55.8	+ 0.6	63.2	− 0.5	74.6	+ 2.9	79.2	+ 3.0	79.4	+ 4.4	65.1	− 3.3	55.6	− 2.0	43.6	− 1.4	32.4	− 3.1	55.1	+ 0.2
Sweet Springs	29.0	.....	39.4	.....	40.4	.....	56.6	.....	63.0	.....	75.9	.....	79.0[e]	.....	79.8[e]	.....	65.5	.....	55.7[a]	.....	40.8[a]	.....	28.4	.....	54.5	.....
Warrensburg	28.6[f]	− 0.1	40.8[b]	+ 8.3	40.8	− 3.2	58.8	+ 2.7	63.8	− 1.2	76.6	+ 2.7	81.4	+ 2.6	81.5	+ 4.4	68.0	− 2.2	57.2[a]	− 0.8	42.8	− 2.2	31.0	− 2.4	55.9	+ 0.7
Warsaw	31.4	− 1.5	40.0	+ 4.4	41.0	− 6.0	58.0	+ 1.3	64.2	− 1.3	75.7	+ 1.9	80.6	+ 2.3	82.9	+ 5.3	67.4	− 3.1	57.3	− 1.7	44.8	− 2.4	32.6	− 3.1	56.3	− 0.3
Wasola	36.9	.....	43.8	.....	42.4	.....	59.0	.....	65.0	.....	75.2	.....	80.0	.....	81.2	.....	67.4	.....	58.1	.....	47.0	.....	34.4	.....	57.5	.....
Division means	32.0	− 0.1	40.5	+ 6.3	40.2	− 5.0	57.0	+ 1.0	63.8	− 1.2	75.8	+ 2.2	80.0	+ 2.3	81.0	+ 4.2	66.6	− 3.2	56.6	− 1.5	44.2	− 1.5	32.2	− 2.8	55.8	+ 0.1
Southeastern Division																										
Advance ..... ¼ mile W	35.4	.....	40.0	.....	41.2	.....	55.8	.....	66.6	.....	77.1	.....	79.8	.....	78.8	.....	66.0	.....	56.0	.....	43.3	.....	33.6	.....	56.1	.....
Arcadia	33.0	+ 1.1	38.4	+ 4.3	38.2	− 6.1	54.0	− 1.3	63.8	− 0.3	75.6	+ 3.8	78.6	+ 2.8	77.8	+ 3.5	64.8	− 2.8	54.0	− 2.0	42.4	− 1.5	32.4	− 1.9	54.4	− 0.1
Birch Tree..... ½ mile E	35.0	+ 0.5	41.8[a]	+ 5.5	41.2[a]	− 6.1	57.0[e]	− 0.1	66.0[b]	+ 1.0	75.9[a]	+ 3.2	80.4[a]	+ 3.8	78.5	+ 2.4	66.2	− 3.6	56.7	− 1.7	43.6	− 3.0	33.0[b]	− 3.4	56.3	− 0.1
Bragg City	39.6	.....	44.4	.....	46.3	.....	59.1	.....	70.0	.....	78.1	.....	81.2	.....	81.0	.....	67.8	.....	....	.....	....	.....	....	.....	.....	.....
Campbell	39.8	+ 2.1	45 0	+ 2.9	44.7	− 3.3	60.8	+ 2.1	70.7	+ 3.4	81.5	+ 6.0	82.8	+ 2.4	82.4	+ 5.2	69.9[a]	− 1.7	59.2[b]	− 0.9	47.8	+ 0.2	37.2	− 1.2	60.2	+ 1.5
Caruthersville	37.3	− 1.8	43.0	+ 2.7	43.8	− 7.6	58.1	− 2.1	69.0	− 0.8	79.2	+ 0.8	81.7	+ 0.4	81.4	+ 1.1	68.2	− 6.3	58.6	− 3.6	47.6	− 2.8	37.6	− 3.3	58.8	− 1.9
Crystal City	33.0	.....	38.6	.....	40.8	.....	55.9	.....	64.2	.....	75.7	+ 1.4	78.2	− 1.4	77.5	− 0.7	64.0	− 4.9	54.9	− 3.5	43.0	− 0.9	33.6	− 0.8	55.0	.....
Doniphan	38.2	+ 2.4	43.2	+ 3.9	43.4	− 5.6	60.8	+ 2.3	69.2	+ 2.7	78.2	+ 3.2	80.9	+ 2.3	81.6	+ 4.0	69.0	− 2.2	58.6	+ 0.1	47.3	0.0	36.4	− 1.4	58.9	+ 1.0
Farmington	35.7	+ 3.1	41.5	+ 4.6	41.1	− 5.4	56.2	− 0.7	64.6	+ 0.9	75.5	+ 2.7	78.3	+ 2.0	77.2	+ 1.8	64.0	− 5.6	55.2	− 1.6	44.2	− 0.6	33.8	− 2.9	55.6	− 0.1
Goodland	32.8	+ 0.2	37.6	+ 3.3	39.0	− 6.0	56.0	+ 1.0	64.7	+ 0.7	74.4	+ 2.5	77.4	+ 1.8	77.2	+ 2.7	64.1	− 3.7	54.8	− 1.1	42.2	− 2.5	31.8	− 3.0	54.3	− 0.3
Greenville	38.6[b]	+ 3.6	42.6	+ 6.8	42.8	− 4.9	58.4	+ 1.8	67.5[b]	+ 1.6	78.2[b]	+ 4.6	....	.....	79.7	+ 3.0	66.5	− 4.3	57.6	0.0	43.3[f]	− 2.1	35.2	− 1.0	....	.....
Jackson	37.6	+ 3.8	41.6	+ 5.1	42.0	− 5.2	58.6	+ 1.5	68.2	+ 2.6	78.2	+ 4.1	81.6	+ 4.0	79.9	+ 3.8	66.4	− 3.7	57.1	− 0.8	45.0	− 1.6	34.8	− 1.8	57.6	+ 1.0
Jefferson Barracks	35.4	+ 3.0	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....
Koshkonong	38.2[a]	+ 1.7	....	.....	44.0[a]	− 5.4	61.0[a]	+ 2.5	68.0[a]	+ 1.4	77.1[b]	+ 2.7	80.2[b]	+ 1.4	82.0[a]	+ 4.1	69.4[f]	− 2.0	59.7[a]	+ 0.1	48.0	− 1.0	36.5[a]	− 1.9	....	.....
Licking..... 4 miles E	34.0	.....	41.1	.....	41.1	.....	56.9	.....	66.7	.....	75.4	.....	79.0	.....	79.4	.....	66.8	.....	56.6	.....	44.7	.....	34.6	.....	56.4	.....
Malden..... 4 miles NNW	....	.....	....	.....	....	.....	59.2	.....	69.5	.....	80.8	.....	83.0	.....	82.4	.....	68.8	.....	59.1	.....	46.6	.....	36.1	.....	....	.....
Marble Hill	39.1	+ 4.5	43.7	+ 7.1	42.6	− 5.0	58.5	+ 1.3	66.9	+ 1.3	77.0	+ 3.0	79.6	+ 1.8	79.1	+ 2.1	66.2	− 4.5	57.3	− 0.9	45.4	+ 0.2	34.9	− 1.8	57.5	+ 0.7
Poplar Bluff	39.0	+ 3.0	44.2	+ 6.1	44.7	− 3.9	59.0	− 0.5	69.4	+ 1.9	78.2	+ 2.8	81.4	+ 2.2	81.8	+ 3.8	68.8	− 2.9	58.5	− 1.6	46.5	− 1.2	35.7	− 2.1	58.9	+ 0.6

Continued on next page

Monthly and Annual Mean Temperatures for the Year 1943, with Departures from Normal Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Southeastern Div.–Concluded																										
Rolla	31.4	− 0.5	39.2	+ 2.9	38.6	− 6.9	55.1	− 0.8	63.3	− 1.2	75.2	+ 2.2	....	.....	81.1	+ 4.9	66.4	− 2.3	57.0	+ 0.5	43.4	− 1.6	31.4	− 3.2	....	.....
St. Louis																										
City Office	32.1	+ 1.0	39.9	+ 5.1	40.6	− 3.5	55.2	− 0.9	64.4	− 2.6	77.5	+ 2.5	81.8	+ 3.0	80.9	+ 3.4	67.4	− 3.1	58.8	0.0	43.6	− 1.8	32.5	− 2.4	56.2	0.0
St. Louis Airport	30.6	+ 0.8	38.8	+ 4.8	39.4	− 3.6	54.2	− 0.6	64.1	− 1.7	76.8	+ 2.8	80.6	+ 2.8	79.8	+ 3.4	65.6	− 3.2	56.5	− 0.8	41.6	− 2.3	30.6	− 2.8	54.9	0.0
St. Louis University	31.9	− 0.1	39.6	+ 4.7	40.6	− 3.6	55.4	− 0.3	64.4	− 1.3	77.6	+ 2.4	81.6	+ 1.1	80.8	+ 3.0	67.2	− 3.7	58.5	− 0.1	43.5	− 2.2	32.5	− 2.6	56.1	− 0.2
Washington University	31.8	.....	37.8	.....	39.2	.....	54.6	.....	64.0	.....	77.0	.....	80.8	.....	80.0	.....	66.4	.....	57.1	.....	42.4	.....	29.2	.....	55.0	.....
Salem	34.2	+ 1.6	41.0	+ 5.2	40.5	− 5.9	54.0	− 2.0	63.1	− 1.4	75.3	+ 2.9	78.5	+ 1.7	79.0	+ 3.1	65.1	− 4.1	56.3	− 1.3	44.2	− 1.9	34.2	− 1.2	55.4	− 0.3
Sikeston	36.4	− 0.6	41.1	+ 3.9	41.7	− 6.9	56.8	− 1.3	68.5	0.0	79.2	+ 4.9	81.2	+ 2.6	81.0	+ 3.1	67.4	− 3.7	57.6	− 1.7	45.2	− 2.0	34.8	− 2.9	57.6	− 0.3
Union	33.2	.....	41.0	.....	41.6	.....	56.2[a]	.....	61.2	.....	76.4	.....	79.6	.....	....	.....	63.6[b]	.....	60.8	.....	46.5	.....	34.6	.....	....	.....
Vichy 2 miles NW	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	79.7	.....	80.1	.....	65.6	.....	56.5	.....	42.4	.....	31.0	.....	....	.....
Wappapello Dam	36.0	.....	41.4	.....	42.0	.....	58.4	.....	68.2	.....	78.0	.....	81.6	.....	81.4	.....	68.4	.....	58.4	.....	46.0	.....	34.2	.....	57.8	.....
Weingarten	35.2	.....	40.0	.....	....	.....	56.8	.....	65.5	.....	76.2	.....	80.0	.....	79.4	.....	66.4	.....	57.7	.....	45.4	.....	33.6	.....	....	.....
West Plains	33.7	.....	40.4	.....	40.5	.....	57.1	.....	65.6	.....	75.8	.....	79.4	.....	80.0	.....	66.0	.....	56.2	.....	43.3	.....	33.5	.....	56.0	.....
Willow Springs 500 ft. E	33.0	.....	37.9	.....	38.0	.....	54.1	.....	64.1	.....	74.8	.....	78.2	.....	79 0	.....	65.0	.....	55.5	.....	42.5	.....	32.8	.....	54.6	.....
Cairo, Ill	37.2	+ 2.3	42.6	+ 4.1	43.8	− 3.4	58.3	+ 0.2	69.4	+ 1.0	79.8	+ 3.5	82.4	+ 2.8	81.8	+ 4.0	68.6	− 2.9	59.3	− 1.1	46.0	− 1.3	36.1	− 1.7	58.8	+ 0.6
Division means	35.4	+ 1.6	41.1	+ 4.6	41.6	− 5.2	57.1	+ 0.1	66.6	+ 0.5	77.2	+ 3.0	80.3	+ 2.3	80.1	+ 3.1	66.7	− 3.6	57.3	− 1.1	44.6	− 1.5	34.1	− 2.2	56.8	+ 0.1
State means	31.1	+ 0.3	39.1	+ 5.9	39.7	− 4.2	56.0	+ 0.7	63.9	− 0.6	75.8	+ 2.2	79.6	+ 1.5	79.8	+ 3.2	65.8	− 3.5	56.3	− 1.4	42.7	− 1.7	31.3	− 3.0	55.1	0.0

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated.
¶ Estimated ‖ Partially estimated Letters of alphabet indicate number of days missing from report: thus [a] one day; [b] two days, etc.

KILLING FROSTS, 1943

Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season
Northern Division															
Albany	April 17	Oct. 15	181	New Florence	April 19*	Oct. 17	181	Lebanon	April 20*	Oct. 16*	179	Goodland	April 21*	Oct. 5*	167
Amity	April 20	Oct. 15	178	Oregon	April 17	Oct. 15	181	Lexington	April 19*	Oct. 15	179	Greenville	April 21*	Oct. 17	179
Bethany	April 24*	Oct. 15	174	Palmyra	April 15	Oct. 17	185	Lockwood	April 20	Oct. 16	179	Jackson	April 21*	Oct. 17	179
Brookfield	April 21*	Oct. 15*	177	St. Charles	April 15*	Oct. 17	185	Marshall	April 19*	Oct. 15*	179	Koshkonong	April 15	Oct. 16*	184
Brunswick	April 20*	Oct. 17	180	St. Joseph	April 14	Oct. 15	184	Mountain Grove	April 19*	Oct. 16*	180	Licking	April 21*	Oct. 5*	167
Canton	April 21	Oct. 15*	177	Saverton	April 15*	Oct. 17	185	Mount Vernon	April 20	Oct. 16*	179	Malden	.....	Oct. 17	....
Chillicothe	April 14	Oct 15*	184	Shelbina	April 21*	Oct. 15	177	Neosho	April 20	Oct. 16	179	Marble Hill	April 15	Oct. 17	185
Clifton Hill	April 19*	Oct. 17	181	Steffenville	April 15	Oct. 17	185	Nevada	April 20*	Oct. 16	179	Morehouse	April 15	Oct. 16	184
Columbia	April 19	Oct. 17	181	Tarkio	April 19	.....	....	Ozark Beach	April 16*	Oct. 16	183	Poplar Bluff	April 15*	Oct. 17	185
Conception	April 20*	Oct. 15	178	Trenton	April 21*	Oct. 15*	177	Pleasant Hill	April 20	Oct. 16	179	Rolla	April 19*	Oct. 17	181
Edgerton	April 20	Oct. 15	178	Unionville	April 21*	Oct. 15*	177	Sedalia	April 15	Oct. 17	185	**St. Louis**	April 14	Oct. 17	186
Elsberry	April 21*	Oct. 5*	167	Warrenton	April 19*	Oct. 17	181	Seligman	April 19*	Oct. 16	180	St. Louis Airport	April 21	Oct. 17	179
Fayette	April 21*	Oct. 16	178	Keokuk, Iowa	April 14	Oct. 17	186	Seymour	April 15	Oct. 16	184	St. Louis Univ.	April 15*	Oct. 17	185
Fulton	April 19	Oct. 17	181	*Southwestern Division*				Springfield	Mar. 22	Oct. 16	208	Washington U.	April 15*	Oct. 17*	185
Grant City	April 20*	Oct. 15	178	Anderson	April 15	Oct. 16	184	Sweet Springs	April 21*	Oct. 15*	177	Salem	April 15	Oct. 17	185
Hannibal	April 19*	Oct. 17	181	Appleton City	April 19	Oct. 16	180	Warrensburg	April 14	Oct. 16	185	Sikeston	April 21	Oct. 16*	178
Kan. City Airport	April 14*	Oct. 15	184	Bolivar	April 15	Oct. 16	184	Warsaw	April 21	Oct. 16	178	Union	April 15	Oct. 16*	184
Kansas City Univ.	April 15*	Oct. 15	183	Boonville	April 16	Oct. 15*	182	Wasola	April 15	Oct. 16*	184	Van Buren	April 15	Oct. 5	173
Kidder	April 19	Oct. 15	179	Carthage	April 19*	Oct. 16	180	*Southeastern Division*				Vichy	.....	Oct. 16*	....
Kirksville	April 19*	Oct. 15	179	Clinton	April 15	Oct. 16	184	Advance	April 21*	Oct. 16	178	Wappapello Dam	April 15	Oct. 17	185
Lawson	April 20*	Oct. 15	178	Concordia	April 13	Oct. 16	186	Arcadia	April 15	Oct. 5*	173	Weingarten	April 14	Oct. 17	186
Linneus	April 15	Oct. 15	183	Eldon	April 20*	Oct. 16*	179	Birch Tree	April 15	Oct. 17	185	West Plains	April 21*	Oct. 17	179
Louisiana	April 22*	Oct. 5*	166	Ft. Leonard Wood	.....	Oct. 16	....	Bragg City	April 15	.....	....	Willow Springs	April 22*	Oct. 16*	177
Macon	April 15	Oct. 15	183	Harrisonville	April 20*	Oct. 15	178	Campbell	April 15*	Oct. 17	185	Cairo, Ill	April 21	Oct. 17	179
Maryville	April 15	Oct. 15	183	Jefferson City	April 20*	Oct. 17*	180	Caruthersville	April 15	Oct. 16	184	.....	.....	.....	....
Memphis	April 20*	Oct. 15*	178	Joplin	Mar. 22*	Nov. 8*	231	Crystal City	April 21	Oct. 17	179	.....	.....	.....	....
Mexico	April 20	Oct. 17	180	Lakeside	April 16*	Oct. 17	184	Doniphan	April 21*	Oct. 17	179	.....	.....	.....	....
Moberly	April 19	Oct. 27	191	Lamar	April 21*	Oct. 16*	178	Farmington	April 15	Oct. 17	185	.....	.....	.....	....

* Occurrence of killing frost not recorded; dates given are last in spring and first in autumn of temperature 32° or lower.

WBO, St Louis, 3-24-44—1300.

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V. 48
No. 1

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII JANUARY 1944 No. 1

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

January was an unusually warm and dry month and particularly was this true of the latter half, when most of the freeze went out of the ground and some plowing was started in central and southern sections of the State.

It was the warmest month of its name since 1939 and the eighth-warmest of record since 1888, when State-wide records began. The unusually mild conditions were general over the entire State, not a single reporting station having an average temperature for the month lower than its normal. The Southeastern Division was the warmest of the three sections of the State, with an average of 37.7°, or 3.8° above normal; the average for the Southwestern Division was 36.5°, or 4.8° above normal, and for the Northern Division 33.0°, or 6.4° above normal. There were no unusual extremes of temperature recorded anywhere in the State. The first half of the month averaged approximately 1° colder than normal, as a rule, but beginning on the 15th there was a change to considerably warmer and for the remainder of the month daily temperatures averaged consistently above normal, reaching a peak during the period from the 25th through the 27th, when daily excesses amounted to as much as 25° to 30°. The 8th, 9th, and 13th were generally the coldest days and the 25th, 26th, and 27th were the warmest.

Precipitation was unusually light and the State average of 0.63 inch for the month has been less in only three Januaries during the past 57 years. However, January a year ago was even drier than the current month, the average precipitation being only 0.39 inch, which is the lowest January average in the climatic history of the State. At St. Louis the current month was the second-driest January in 108 years, January 1919 being the driest of record. The deficiency in precipitation this month was general over the entire State. Precipitation in the Northern Division averaged 0.55 inch, or —1.04 inches, the Southwestern Division 0.74 inch, or —1.37 inches, and the Southeastern Division 0.61 inch, or —2.67 inches. It was the sixth month, of the past seven, in which the monthly average has been below normal, October being the only month showing an excess, and that only 0.25 inch. As a result of this extended dry period, the subsoil moisture has become decidedly deficient and water supplies are quite low in many sections of the State. Streams and rivers continued at rather low stages again this month.

Snowfall was unusually light over the Northern Division during January, averaging only 0.2 inch, while the other two divisions received an average of approximately 1.5 to 2.0 inches. Heaviest snowfall occurred in Barry County, where the monthly amounts were seven inches, or more. The snow cover that remained on the ground over much of the northern half of the State, at the close of December, steadily diminished, but did not completely disappear from north slopes and protected places until after the middle of the month.

The unseasonably warm weather the last half of the month started growth of grass, wheat, and other fall-sown crops, and at the close of the month these were becoming green. Premature swelling of buds on some fruit and shade trees, and shrubbery, occurred during the last week, and colder weather was badly needed to check this unseasonable advancement.

(Continued on page 3)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity §: 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.74*	13	29.81*	21	6.6	23	sw.	27	83*	63*	69*	72	933
Kan. City Airp't.	30.75	13	29.70	24	9.1	38	sw.	27	81	62	64	64	898
St. Joseph	30.74*	13	29.67*	27	7.7	25	sw.	27	87*	67*	72*	51	937
St. Louis	30.74*	13	29.87*	15	11.2	31	nw.	5	76	59	65*	67	849
Springfield	30.70	13	29.37	2	10.1	33	se.	27	84	63	68	63	875
Cairo, Ill.	30.71	13	29.72	3	7.9	24	sw.	22	82	61	..	57	802
		..		..		..		..	..	..	..	..	..

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR JANUARY

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	21.5	74	—32	2.14	1.76	2.20	2.47	....	6	..	..	..
1889	31.8	69	— 2	2.53	1.65	2.48	3.45	....	6	..	..	..
1890	33.8	81	—19	5.18	3.23	4.18	8.14	....	9	..	..	..
1891	34.1	74	— 1	1.63	1.36	0.98	2.56	4.3	6	..	..	..
1892	24.0	67	—31	1.87	1.80	1.87	1.93	....	4	14	8	9
1893	22.5	66	—14	0.45	0.51	0.41	0.42	2.4	3	9	11	11
1894	31.4	77	—35	2.48	1.90	2.95	2.59	2.7	5	13	9	9
1895	24.7	78	—22	1.66	0.97	1.44	2.57	9.4	5	14	8	9
1896	32.9	71	— 9	1.19	1.05	0.85	1.67	3.1	4	10	7	14
1897	28.4	72	—16	5.24	4.18	5.50	6.04	4.0	8	12	7	12
1898	34.3	75	—10	4.11	4.02	3.84	4.48	8.4	9	11	8	12
1899	30.2	70	—21	1.93	0.62	1.20	3.96	4.0	6	12	8	11
1900	34.5	77	— 9	1.28	0.98	1.18	1.67	0.2	4	14	7	10
1901	35.0	72	—11	1.31	1.21	1.45	1.27	0.8	4	17	7	7
1902	30.1	72	—17	1.36	1.07	0.95	2.05	6.9	5	16	7	8
1903	31.4	73	—11	1.49	1.07	1.41	1.98	5.0	6	13	6	12
1904	27.0	66	—23	3.01	2.64	2.74	3.66	7.4	8	14	6	11
1905	22.3	72	—19	2.04	1.06	2.10	2.95	6.8	8	14	6	11
1906	35.6	77	— 8	3.44	2.20	3.07	5.04	9.2	6	14	5	12
1907	34.3	79	— 5	5.04	4.14	5.28	5.69	2.8	12	7	6	18
1908	34.4	68	—10	1.67	0.50	1.47	3.04	3.6	5	19	5	7
1909	33.7	83	—20	2.36	2.01	1.70	3.36	6.5	7	6	7	18
1910	32.3	78	—24	1.82	1.96	1.73	1.78	3.5	5	13	6	12
1911	34.6	78	—19	0.84	1.57	0.32	0.64	0.7	5	8	7	16
1912	20.0	70	—36	1.22	0.35	0.79	2.51	6.5	4	14	7	10
1913	33.1	74	—12	4.18	1.53	2.63	8.58	2.6	8	13	6	12
1914	38.1	78	— 1	1.45	0.96	1.43	1.95	1.0	4	12	7	12
1915	29.1	76	—24	2.88	2.29	2.48	3.86	5.4	8	12	5	14
1916	31.6	72	—24	7.66	5.23	8.32	9.42	3.4	12	9	4	18
1917	32.9	76	—10	1.53	0.75	1.05	2.79	2.3	5	15	7	9
1918	16.4	67	—24	1.72	1.08	1.45	2.63	16.6	7	12	7	12
1919	31.0	70	—23	0.44	0.14	0.32	0.85	1.4	2	20	5	6
1920	28.6	72	— 5	1.72	0.52	1.39	3.25	5.7	5	15	5	11
1921	37.1	74	— 1	1.88	1.42	2.07	2.15	5.4	6	10	7	14
1922	29.5	66	— 6	1.33	1.08	1.41	1.50	3.9	5	14	5	12
1923	39.2	75	3	2.58	0.77	2.21	4.77	0.6	6	12	7	12
1924	24.9	68	—25	1.59	1.08	1.64	2.05	5.7	7	14	5	12
1925	29.7	65	—15	1.05	0.41	1.29	1.44	4.7	4	15	7	9
1926	32.7	70	—20	1.93	1.28	1.91	2.60	4.2	6	11	7	13
1927	30.8	73	—24	3.05	0.90	2.45	5.81	3.6	6	13	6	12
1928	33.3	77	—18	0.97	0.31	0.81	1.80	0.5	3	16	7	8
1929	25.1	72	—13	3.51	2.77	2.79	4.96	6.8	8	11	6	14
1930	20.8	73	—31	4.62	2.38	4.18	7.30	13.0	10	12	5	14
1931	36.0	76	— 5	0.74	0.39	0.65	1.18	2.0	4	16	6	9
1932	36.4	73	— 7	3.56	1.78	3.23	5.66	1.0	9	10	7	14
1933	41.4	72	8	2.56	1.73	2.62	3.34	0.5	6	14	8	9
1934	36.1	71	— 6	1.34	0.88	1.33	1.82	1.5	5	13	6	12
1935	33.0	71	—12	2.57	1.47	2.44	3.81	0.5	7	12	6	13
1936	24.4	74	—25	1.01	1.69	0.56	0.77	7.6	7	11	7	13
1937	28.5	70	—15	6.38	3.66	5.20	10.28	4.3	11	9	5	17
1938	33.1	75	— 9	2.98	2.53	3.00	3.27	0.3	6	13	6	12
1939	39.0	74	— 5	2.74	1.40	2.25	4.57	8.1	9	12	8	11
1940	15.5	55	—28	1.35	1.21	1.19	1.66	12.4	8	13	7	11
1941	34.7	70	0	3.41	3.59	3.70	2.93	4.4	11	9	5	17
1942	31.1	74	—24	1.66	0.57	1.30	3.10	3.4	5	18	6	7
1943	31.1	81	—23	0.39	0.58	0.29	0.30	3.0	4	14	7	10
1944	35.7	77	— 6	0.63	0.55	0.74	0.61	1.3	4	15	8	8
	....	..	....	....	....	....	....	....	..	..	..	..
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	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
Period	30.8	83	—36	2.33	1.59	2.11	3.28	4.4	6	13	6	12

Climatological Data for January 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	33.4	.....	64	26	− 2	8	15	0.93	+0.10	0.68	26-27	0	4	23	2	6	sw.	Curtis E. Grace
Bethany	Harrison	916	49	33.0	+ 8.2	61	27	0	8	51	0.80	−0.39	0.75	26-27	0	2	14	9	8	sw	A. S. Cumming
Brookfield	Linn	767	3	....	.....	..	..	....	..	3	....	.....	....	.....	....	..	..	..	..	.....	.....
Brunswick	Chariton	652	63	33.0	+ 6.3	62	25†	6	8	65	0.26	−1.33	0.14	26-27	T.	5	21	1	9	sw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	30.6	.....	62	27	4	13	14	0.27	−1.67	0.15	25	0	4	15	11	5	sw.	Lockmaster
Chillicothe	Livingston	779	35	31.6	+ 7.2	65	25	2	8†	38	0.52	−0.96	0.52	27-28	0	2	25	1	5	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	781	45	33.6	+ 5.5	62	27	2	8†	35	0.27	−1.45	0.14	27	T.	3	15	8	8	nw.	Dr. A J. Bradsher
Columbia	Boone	740	54	34.9	+ 4.1	64	27	8	8	54	0.47	−1.45	0.29	25	0.7	4	12	10	9	s.	U. S. Weather Bureau
Conception	Nodaway	980	55	33.9	+ 9.2	63	26	− 2	8	60	0.79	0.00	0.75	27	0	2	13	12	6	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	34.2	+ 7.3	64	25†	0	8	41	0.88	+0.03	0.50	26-27	1.5	4	15	8	8	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	13	34.2	+ 2.6	67	27	5	13	13	0.52	−1.65	0.32	27	0	2	9	18	4	s.	John Dowell
Fayette	Howard	760	64	33.8	+ 6.8	62	27	4	8	61	0.51	−1.28	0.19	27	0.5	6	18	5	8	nw.	Irvin E. Schnell
Fulton	Callaway	818	56	33.2	+ 3.7	63	26†	7	8†	52	0.60	−1.42	0.35	27	1.1	8	21	4	6	w.	Frank E. Hillgartne
Grant City	Worth	1,134	40	33.0	+ 8.2	63	26	− 1	8	52	0.91	−0.06	0.91	27	T.	1	13	9	9	sw.	Howard Rybolt
Hannibal	Marion	759	52	31.6	+ 4.5	63	27	6	8†	60	0.62	−1.10	0.24	25	T.	6	13	10	8	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	36.0	+ 7.8	65	26	4	8	55	0.68	−0.56	0.57	26-27	0.8	5	13	8	10	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	36.6	.....	65	26	5	8	6	0.79	.....	0.61	26-27	1.5	6	14	10	7	w.	University of Kansas City
Kidder	Caldwell	1,020	52	32.8	+ 6.8	63	25	0	8	56	0.63	−0.59	0.63	26-27	0	1	20	0	11	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	32.5	+ 7.7	60	27	1	8	62	0.40	−1.12	0.20	27	T.	6	11	8	12	sw.	P. O. Selby
Lawson	Ray	1,070	6	34.5	.....	60	25†	2	8	6	0.80	.....	0.70	26-27	1.0	2	21	2	8	nw.	Frank G. Gstrein
Louisiana	Pike	469	50	31.5	+ 3.4	65	27	3	13†	63	0.85	−1.30	0.80	28	0	2	0	22	9	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	31.1	+ 3.6	61	27	2	8	51	0.11	−1.59	0.05	26-27	0	3	8	11	12	sw.	John W. Atwell
Maryville	Nodaway	1,169	54	31.6	+ 8.7	61	26	− 2	8	50	0.52	−0.48	0.52	26	T.	1	17	4	10	nw.	R. B. Montomery
Memphis	Scotland	787	5	30.8	.....	62	27	0	8†	14	0.23	−1.30	0.11	27	T.	3	14	8	9	sw.	John W. Alexander
Mexico	Audrain	800	55	31.6	+ 3.6	65	27	5	8†	66	1.10	−0.93	0.51	27	0	6	17	7	7	sw.	Henry D. Llewellyn
Moberly	Randolph	875	7	....	.....	..	..	....	..	7	....	.....	....	.....	....	..	..	..	..	.....	.....
New Florence, 1 mi SE	Montgomery	885	1	33.3	.....	64	27	6	13	2	0.30	.....	0.26	27	T.	2	6	13	12	nw.	U. S. Weather Bureau
Oregon	Holt	1,048	88	34.6	+10.5	65	26	0	8	88	0.80	−0.13	0.80	26	T.	1	17	8	6	sw.	Miss Mina Wright
St. Charles	St. Charles	520	56	....	.....	..	..	11	13	66	0.19	−1.96	....	.....	....	3	15[a]	10[a]	5[a]	nw.	Martin L. Comann
St. Joseph	Buchanan	957	34	34.8	+ 9.3	63	26	4	8	72	0.95	−0.33	0.91	26-27	0.1	5	16	5	10	s.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	32.0	.....	64	27	5	13	6	0.59	.....	0.26	25	T.	5	23	4	4	nw.	Lockmaster
Shelbina	Shelby	779	3	31.8	.....	62	27	3	13	51	0.32	−1.21	0.30	25	T.	2	20	4	7	sw.	Guyman Hatcher
Steffenville	Lewis	650	46	31.0	+ 3.6	62	27	0	13	51	0.31	−1.70	0.23	25	0	3	15	11	5	sw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	....	.....	..	..	....	..	50	....	.....	....	.....	....	..	..	..	..	.....	.....
Trenton	Grundy	822	48	33.0	+ 6.7	62	25	1	8	49	0.77	−0.57	0.75	27	0	2	11	11	9	s.	W. H. Estes
Unionville	Putnam	1,062	51	31.0	+ 7.5	61	27	− 2	8†	51	0.91	−0.81	....	.....	0	5	13	11	7	w.	C. D. Wilson
Warrenton	Warren	816	62	35.2	+ 6.0	65	27	8	9†	54	0.25	−1.94	0.25	27	T.	1	17	5	9	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	33.2	+ 8.3	64	27	4	8	72	0.42	−1.14	0.18	27	0	4	14	12	5	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**33.0**	**+ 6.4**	**67**	**27**	**− 2**	**8†**	..	**0.55**	**−1.04**	**0.97**	**26-27**	**0.2**	**3**	**15**	**8**	**8**	**sw.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,060	40	37.0	+ 1.1	75	26	− 6	9	45	1.02	−1.51	0.58	26-27	*4.0*	3	18	5	8	w.	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	35.9	+ 4.6	67	26	5	8	52	0.39	−1.45	0.20	27	1.0	3	15	7	9	ue.	Rolla Brown
Bolivar	Polk	1,071	41	36.7	+ 2.8	68	26	1	9	49	0.63	−1.30	0.34	27	1.0	5	15	9	7	sw.	Southwest Baptist College
Boonville	Cooper	650	6	32.6	.....	61	26	4	8	67	0.46	−1.26	0.18	25	1.0	5	16	4	11	w.	Boonville Water Dept.
Carthage	Jasper	962	10	38.6	.....	72	25†	5	9	20	0.45	.....	0.20	27	*2.0*	5	12	11	8	n.	Carthage W. and E. Plant
Clinton	Henry	786	51	36.0	+ 4.3	67	26	6	8	57	0.56	−1.47	0.41	26-27	T.	4	14	12	5	n.	U. S. Weather Bureau
Eldon	Miller	934	49	35.2	+ 4.1	64	25†	6	9	45	0.44	−1.32	0.21	25-26	1.0	6	22	4	5	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	36.4[b]	.....	65	25	9	13†	3	0.56	.....	0.47	3	....	2	6[b]	17[b]	6[b]	ne.[b]	U. S. Army Medical Corps
Harrisonville	Cass	904	66	34.2	+ 6.9	64	26	− 1	8	69	0.43	−1.14	0.21	26-27	1.5	4	11	6	14	n.	John H. Patterson
Jefferson City	Cole	557	54	33.9	+ 4.1	64	26	9	13	62	0.24	−1.74	0.21	26-27	T.	3	16	3	12	sw.	Mrs Frank Kliegel
Joplin	Jasper	1,008	22	40.1	+ 5.2	73	26	7	9	39	0.97	−1.19	0.65	27	....	3	23	0	8	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	35.0	+ 2.0	66	25	8	9†	13	0.44	−1.74	0.19	25	2.5	6	12	12	7	sw.	W. S. Frame
Lamar	Barton	980	56	35.6	+ 3.5	70	25†	3	9†	63	0.74	−1.09	0.50	26	1.0	3	21	5	5	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	37.0	+ 4.5	67	25	2	9	57	0.80	−1.84	0.40	27	*3.2*	5	11	15	5	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	34.7	+ 6.9	69	27	3	8	60	0.44	−1.08	0.24	26-27	1.5	5	16	9	6	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	38.4	+ 5.1	74	26	7	9	48	0.76	−1.10	0.46	27	3.0	4	17	9	5	nw.	Hubert A. Niemau
Marshall	Saline	779	57	36.0[a]	+ 8.1	64	25	5	8	54	0.30	−1.35	0.12	27	*1.0*	3	16	8	7	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	38.0	+ 5.2	64	26	4	9	47	0.66	−2.07	0.26	2-3	5.3§	7	9	16	6	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	38.5[c]	+ 5.2	72	26	2	9	44	1.31	−1.40	0.72	27	*4.5*	5	15[c]	6[c]	7[c]	nw.[c]	James C. Williamson
Neosho	Newton	1,011	57	39.4	+ 4.3	73	26	− 4	9	61	0.71	−1.76	0.48	27	2.0	3	9	15	7	sw.	U. S. Fisheries Station
Nevada	Vernon	862	51	37.7	+ 5.8	70	26	6	8	52	0.63	−1.20	0.50	27	0.5	3	15	6	10	sw.	Henry Kraft
Ozark Beach	Taney	700	4	37.2	.....	74	26	− 2	9†	19	1.45	−1.52	0.85	26-27	3.0	6	3	14	14	se.	A. J. Sharp
Sedalia	Pettis	910	31	35.6	+ 9.2	65	25	4	8	33	0.39§	−1.86	0.21	27	*1.0*	3	13	11	7	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	39.7[b]	+ 4.6	74	26	4	9	41	1.82	−0.97	0.75	7-8	8.5	4	16[b]	8[b]	5[b]	s.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	36.4	+ 2.4	66	26	− 4	9	38	1.12	−1.47	0.70	27	3.0	4	16	5	10	nw.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	56	36.4	+ 4.1	68	26	2	9	56	0.98	−1.36	0.56	27	5.1	6	10	8	13	se.	U. S Weather Bureau
Sweet Springs	Saline	700	3	34.2[a]	.....	63	25†	0	9	3	0.44	.....	0.17	26-27	*1.5*	5	18	4	9	w.	H F. Nelson
Warrensburg	Johnson	878	57	35.5	+ 6.8	63	27	4	8	64	0.25	−1.53	0.15	27	0.5	3	19[a]	3[a]	8[a]	sw.	Central Teachers College
Warsaw	Benton	687	43	36.0	+ 3.1	68	26	− 1	9	49	0.70	−1.44	0.50	26	1.2	3	19	6	6	nw.	Dora B. Johnson
Wasola	Ozark	1,294	3	38.4	.....	68	26	6	9	4	1.33	.....	0.67	27	3.4	4	15	11	5	w.	A. W. Pinckney
Division means	**and extremes**	.....	..	**36.5**	**+ 4.8**	**75**	**26**	**− 6**	**9**	..	**0.74**	**−1.37**	**0.85**	**26-27**	**2.2**	**4**	**15**	**8**	**8**	**sw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	36.9	.....	68	27	− 1	9	7	0.62	.....	0.27	2-3	2.1	5	7	6	18	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	36.2	+ 4.3	76	28	2	10	66	0.69	−2.30	0.46	27	1.5	4	20	4	7	w.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	36.7	+ 2.2	68	27	− 5	9	50	1.02	−2.16	0.55	27	*3.0*	6	17	6	8	sw.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	34.6	+ 2.0	68	27	− 2	9	51	0.81	−1.89	0.56	27	1.5	4	12	13	6	sw.	Claude Volner
Campbell	Dunklin	314	18	40.4	+ 2.7	68	22†	11	9	18	0.85	−4.45	0.37	3	1.0	4	16	4	11	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	40.0	+ 0.9	69	22†	14	9	52	1.32	−3.87	0.82	2-3	3.0	6	16	1	14	n.	Victor T. Malloure
Crystal City	Jefferson	420	10	37.8	+ 6.4	72	27	7	13†	10	0.25	−2.04	0.18	27	T.	2	18	5	8	sw.	Richard K. Ragland
Doniphan	Ripley	344	40	38.7	+ 2.9	72	27	− 2	9	40	0.83	−3.27	0.40	27	2.0	4	20	6	5	ne.	Boyce Lackey
Farmington	St. Francois	896	33	37.4	+ 4.8	69	27	9	9†	47	0.48	−2.66	0.29	27	1.1	4	11	9	11	s.	F. M. Karsch
Greenville	Wayne	351	35	38.2	+ 3.2	69	27	− 1	9	37	0.73	−2.59	0.30	26-27	2.2	5	15	8	8	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	37.6	+ 3.8	67	27	6	10	54	0.61	−3.33	0.26	27	1.5	4	11	3	17	n.	John G. Putz
Koshkonong	Oregon	958	43	40.7[b]	+ 4.2	70	27	9	9	41	1.33	−2.29	0.57	27	3.0	4	13[b]	12[b]	4[b]	se.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	36.4	.....	66	27	4	13	7	*0.04*	.....	*0.04*	8	0.7§	2	19	7	5	s.	U. S. Forestry Service

Continued on next page

Climatological Data for January 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days					Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	39.6	.....	68	25	10	9	1	0.85	.....	0.62	2	1.0	5	7	7	17	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	37.4	+ 2.8	69	22†	0	10	51	0.76	−3.11	0.27	27	2.0	4	16	8	7	n.	R. A. DeWitt
Poplar Bluff	Butler	339	39	38.8	+ 2.8	69	27	7	9	40	0.65	−3.77	0.30	27	3.0	4	21	5	5	w.	Joe Rochm
Rolla	Phelps	1,202	44	36.2	+ 4.3	66	25†	10	8†	60	0.70	−1.76	0.45	27	2.0	3	9	16	6	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	37.7	+ 6.6	70	27	16	13	107	0.30	−2.04	0.17	2-3	0.5	3	11	12	8	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	36.0	+ 6.2	71	27	11	13	13	0.20	−2.06	0.12	27	0.6	5	8	19	4	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	37.4	+ 5.4	70	27	15	9	32	0.19	−2.41	0.10	2-3	1.0	3	12	10	9	nw.	St. Louis University
Salem	Dent	1,173	40	36.8	+ 4.2	68	27	3	9	43	0.54	−2.18	0.33	27	1.0	3	20	6	5	s.	E. E. Martin
Sikeston	Scott	318	37	38.2	+ 1.2	69	25	6	9	47	1.16	−3.70	0.69	3	2.0	5	16	2	13	n.	William B. Seabaugh
Union	Franklin	520	6	38.2	.....	77	28	5	13†	27	0.29	−2.03	0.29	27	T.	1	17	11	3	s.	Columbus L. Cunio
Vichy †.....2 mi. NW	Maries	1,125	8	36.2	.....	64	25	9	8†	9	0.58	.....	0.50	27	0.8	3	10	6	15	w.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	37.6	.....	70	22	9	9	5	0.51	.....	0.25	27	2.2	4	16	6	9	w.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	38.2	.....	69	27	10	9†	4	0.53	.....	0.28	27	0.5	3	16	5	10	n.	William J. Miller
West Plains	Howell	1,005	7	36.2	.....	68	27	− 3	9	7	1.15	.....	0.61	26-27	2.5	5	8	11	12	w.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	35.6	.....	66	27	− 1	9	37	0.72	−2.46	0.27§	7-8	4.5§	4	15	7	9	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	39.2	+ 4.3	66	27	14	9	73	0.74	−3.02	0.45	2-3	1.8	5	9	7	15	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**37.7**	**+ 3.8**	77	28	**− 5**	9	..	**0.61**	**−2.67**	**1.40**	28	**1.6**	**4**	**14**	**8**	**9**	**s.**	
State means	**and extremes**	.....	..	**35.7**	**+ 4.9**	77	28	**− 6**	9	..	**0.63**	**−1.70**	**1.40**	28	**1.3**	**4**	**15**	**8**	**8**	**sw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altoua is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Douiphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for January 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	27	28	35	34	34	30	24	18	22	30	26	24	22	28	28	30	36	35	37	39	38	42	38	44	55	55	56	48	42	40	40	35.0
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.044	.004	.095	.083	.038	.080	.....
	Mean temperature	..	..	..	..	..	..	..	..	..	30	28	20	22	30	31	31	35	40	42	36	38	45	38	44	53	54	62	47	41	44	37	[b]38.0
	Wind movement	18	*	*	*	*	*	*	*	380	38	26	62	38	18	15	28	24	4	52	53	35	26	39	20	43	52	45	54	37	24	54	1,185

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 1)

The mild open weather was favorable for livestock, which were able to forage throughout most of the month, resulting in a considerable saving in the scarce supplies of feed and also in a decided saving of scarce and rationed fuel for domestic heating purposes.—M. R. W.

TEMPERATURE

The monthly mean for the State, 92 stations reporting, was 35.7°, or 4.9° warmer than the average of the past 57 Januarys. The highest monthly mean was 40.7° at Koshkonong, and the lowest was 30.6° at Canton. The highest temperature recorded was 77° at Union, on the 28th, and the lowest was 6° below zero at Anderson, on the 9th.

PRECIPITATION

The average for the State, 193 stations reporting, was 0.63 inch, or 1.70 inches less than the 57-year January average. The greatest monthly amount was 1.82 inches at Seligman, and the least was *0.04* inch (interpolated) at Licking (near). The greatest amount reported in 24 hours, was 1.40 inches at Ellsinore Lookout, on the 28th. The average number of days with 0.01 inch, or more, was 4.

Snowfall averaged 1.3 inches, or 3.1 inches less than the 53-year January average. The greatest monthly amount reported was 8.5 inches at Seligman.

MISCELLANEOUS PHENOMENA

Earthquake.—6th; a slight tremor was felt in Cape Girardeau County at 11:23 p. m. C. S. T.

Fogs.—Heavy, 1st, 2d, 3d, 4th, 5th, 13th, 16th, 17th, 18th, 22d, 26th, 27th.

Glaze.—4th, 5th.

Sleet.—2d, 4th.

Windstorms.—High winds reported on several days, but without damage.

ERRATA

December, 1943, page 68: Days partly cloudy at Koshkonong should be 10; mean temperature and highest temperature and date, at Shelbina, should be 27.4, 60, and 4, respectively; mean and lowest temperatures at New Florence should be 28.0 and −12, respectively. Page 69: Date of maximum temperature at Sikeston should be 5; mean temperature at West Plains should be 33.5. Page 72: Minimum temperature at West Plains on 27th should be 33; mean minimum should be 23.5.

Daily Precipitation for January 1944

Stations	Drainage-basins	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northern Division																																	
Albany	Grand																								.10		.10	.68			.05		0.93
Amity[2]	....do				T.	T.																				.06	T.	.79				.03	0.88
Bethany	....do				T.																				.05			.75					0.80
Bowling Green[2]	Mississippi																									.01	.02		.24			.09	0.36
Brookfield	Grand																																
Brunswick[2]	....do					T.		T.																		.02	.03	.14	.04			.03	0.26
Canton, Lock No. 20[2]	Mississippi					.01																				.03	.15	T.	.08			T.	0.27
Centralia[2]	....do																									.16	.09	.14				.14	0.53
Chillicothe[2] .....(A)	Grand					T.																				T.		*	.52				0.52
Chillicothe[2] .....(B)	....do						T.																			T.		.35	.10			T.	0.45
Clifton Hill	Chariton								T.																	.12	.01	.14					0.27
Columbia [1, 5]	Missouri				T.	T.		.05	T.																T.	.29		.11			.02		0.47
Conception	....do				.04																				T.			.75			T.		0.79
Edgerton	....do				T.		.30	.05																	T.			.50			.03		0.88
Edina[2]	Mississippi																									.09	T.	.02	.12				0.23
Elsberry	....do																								.20			.32					0.52
Elsberry S. C. S.[2]	....do			T.		T.																				.03		.02	.28			.03	0.36
Farber[2]	....do					T.	T.		T.																	.04	.07	.10	.13			.08	0.42
Fayette	Missouri				.02			.01	T.																T.	.18	.03	.19				.08	0.51
Fulton[2]	....do					.03		*	.10	T.															.02	.05	.05	.24	.11				0.60
Gallatin[2]	Grand		T.	T.	T.																				T.	T.		.68				T.	0.68
Grant City	....do			T.																					T.			.91					0.91
Hannibal[1] .....(A)	Mississippi					.01			T.																.01	.24		.19			.03	.14	0.62
Hannibal[2] .....(B)	....do					.05																				T.	T.	.07	.20			.22	0.54
Hermann[2]	Missouri							.03	T.																				.15				0.18
Kahoka[2]	Mississippi					.08																				.05	*	*	.16			T.	0.29
Kansas City Airport[1, 5]	Missouri		T.		T.	T.	T.	.07																	.03	T.	.35	.22			.01		0.68
Kansas City University	....do				.02	T.		.06																	.04	.02		.61			.04	T.	0.79
Kidder[2]	Grand				T																				T.			.63				T.	0.63
King City	Missouri				T																				.14			.97			.07		1.18
Kirksville	Mississippi	T.		T.	T.	T																			.08	.07	.02	.20			.01	.02	0.40
LaBelle[2]	....do					T.																				.06	.05	T.	.12			T.	0.23
Lawson	Missouri			T.				.10																	T.	T		.70					0.80
Linneus[2]	Grand																											*	.40				0.40
Louisiana[2] .....(A)	Mississippi																												.80			.05	0.85
Louisiana[2] .....(B)	....do					.02																				.02	.02	T.	.17			.06	0.29
Lucerne[2]	Grand																									.02		.62	T				0.64
Macon[2]	Chariton					T.																					.02	.05	.04			T.	0.11
Madison[2]	Mississippi																									.08	.23		.14			.12	0.57
Maryville	Missouri				T																				T.	T.		.52					0.52
Memphis[2]	Mississippi					T.																				.07	.05		.11				0.23
Mexico[2]	....do					.05																				.28	.12	.18	.33			.14	1.10
Milan[2]	Grand																									.10		.52	.08				0.70
Moberly[3]	Mississippi																																
Monroe City	....do					.04																			T.	.48		.21				.13	0.86
New Florence[3], 1 mi SE	Missouri				T.	T.		T.	T.																T.	.04	T.	.26					0.30
Oregon	....do				T.																							.80					0.80
Palmyra	Mississippi								T.																.04	.18		.15				.05	0.40
Paris[2]	....do				T.	.03																				.11	.18	.05	.05			.10	0.52
Perry	....do																									.21		.08				.04	0.33
Philadelphia[2]	....do																								.03	.21	T.		.16			.05	0.45
St. Charles[2]	Missouri			*		*																							.19				0.19
St. Joseph[1, 5]	....do			T.	T.			.01																T	.01		.57	.34			.02		0.95
Saverton, Lock No. 22[2]	Mississippi					.05			T	T.																.02	.26	T.	.16			.10	0.59
Shelbina	....do								T.																T.	.30						.02	0.32
Shelbyville[2]	....do																										.32		.42				0.74
Steffenville	....do					T.																			T.	.23		.07				.01	0.31
Tarkio	Missouri																																
Trenton	Grand																								T.			.75			T.	.02	0 77
Troy[2]	Mississippi																									T.	T.	T.	.32			T.	0.32
Unionville[2]	Chariton																									.07	*	.66	.16			.02	0.91
Warrenton	Mississippi							T.																	T.		T.	.25					0.25
Keokuk, Iowa[1]	....do				T	T.																			.03	.17		.18			.01		0.42
Southwestern Division																																	
Altona[2]	Osage				T.	T.		*	.04																	T.	T.	*	.30				0.34
Anderson[2] ...1½ mi. SW	Neosho		T.	.29		T.	T		.15																			.58			T.	T.	1.02
Appleton City	Osage							.06																		.13		.20					0.39
Ava Ranger Station[2]	White		*	.10					*	.08																		*	.67				0.85
Bakersfield[2]	..do			.29					*	.22																		.56					1.07
Bolivar	Osage		.18					.03	.02																	.06		.34					0.63
Boonville[2] .....(A)	Missouri					T.	T.	.06																		.05	.13	.16				.06	0.46
Boonville[2] .....(B)	....do					.02		.04	T.																	.02	.23	.07	.14			.04	0.51
Buffalo[2]	Osage			.27					.26																	.07		.42					1.02
Butler[2]	....do				T.				.05																	.09		.31			T.		0.45
Caplinger Mills[2]	....do							T.	.08																	.07		.36				T.	0.51
Carthage	Neosho		.05					*	.15																	.05		.20					0.45
Clinton[3]	Osage				T.	.01		.04	T.																	.10	T.	.41			T.		0.56
Concordia	Missouri							.03																		.17		.19				.10	0.49
Crocker	Osage		*	.15				.07																	T.	.05		.39					0.66
Eldon[2]	Missouri			T.	T.	.05			.08																	.04	.17		.07		.03		0.44
Eldorado Springs	Osage								.01																	.12		.47					0.60
Elijah	White	T.	.23	.09				*	.25																			.52					1.09
Fort Leonard Wood[2]	Gasconade			.47		T.			T																	T.	T	.09					0.56
Galena[2]	White			.31					.15																			.51					0.97
Hailey	....do		.49					.03	.27																			.49					1.28
Harrisonville[2]	Osage							.15																		.04		.21				.03	0.43
Jefferson City[2]	Missouri					T			T.																	.03		.06	.15				0.24
Joplin[1]	Neosho		.08					.24																				.65					0.97
Lakeside[2]	Osage			.07		T.		T.	.05																	.07	.12	.12	.01			T.	0.44
Lamar[2]	Neosho								.14	T.																.10		.50					0.74
Lebanon	Osage		.18					.05	.08																	.09		.40					0.80
Lexington[2]	Missouri							.10																		*	.10	*	.24				0.44
Lockwood	Osage		.08					.10	.12																	T.		.46					0.76
Macomb[2]	White		*	.22					.19	.06																.02		.67	.04				1.20
Marshall	Missouri				T.	T.		.08	T.																	.10		.12			T.		0.30
Marshfield[2]	White			.22					.16	T.																		.45					0.83
Mountain Grove	....do		.11	.15				.05	.08																	.02	.01	.24					0.66
Mount Vernon	Neosho		.34	.10				.01	.14																			.72					1.31
Neosho	....do		.13					T.	.10																			.48			T.		0.71
Nevada	Osage					T.		T.	.05																	.08		.50					0.63
Osceola[2]	... do							.03	T.																	.12		.40					0.55
Ozark Beach[2]	White		.11	.24					.14	.08																.03		.85					1.45
Pierce City[2]	Neosho			.31					.32																			.43					1.06

Continued on next page

Daily Precipitation for January 1944 Continued from preceding page

Stations	Drainage basins	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Southwestern Division—Concluded																																	
Pinoview Lookout[2]	White		*	.20					.10																.01			.50					0.81
Pleasant Hill[2]	Osage					.01		*	.17																								0.37
Roby	Gasconade		.20	T.				T.	.05																	.04	.10	.04				.01	0.37
St. Thomas[2], 2¼mi SW	Osage			T.				T	.03																T.	T.	.05	.37					0.67
Sedalia	Missouri							.08																		.05	T.	.50	T				0.68
Seligman	Neosho		.65					.35	.40			T.														.10		.21					0.39
Seymour....3½ mi. NE	White		T.	.20				.12	T.																			.42			T.		1.82
Shell Knob[2]...3 mi. SE	do																								.10			.70					1.12
Siloam Sprgs Lookout[2]	do								.51																								
Springfield[4, 5]...½ mi. E	do		.24			T.		.05	.06																			.55					1.06
Stover[2]	Missouri																								T.	.07	T.	.56			T.		0.98
Sugar Camp Lookout[2]	White																									.24	T.						0.24
Sweet Springs	Missouri					.03		.01	T.																								
Tecumseh[2]...¼ mi. W	White		.12	.13					.12	.25															T.	.16		.17			T.	.07	0.44
Topaz[2]	do		T.	.15					.15	T.																		.47	.02				1.11
Vanzant[2]...3¾ mi. SE	do		*	.19					.20	.01																		.44					0.74
Warrensburg	Missouri				T.			.04																				.50	T.				0.90
Warsaw[2].....(A)	Osage							.10																		.06	T.	.15			T.		0.25
Warsaw[2].....(B)	do							.03	.03																		.10	.50			T.		0.70
Wasola	White		.30	.01					.35																	.12	T.	.62	T.				0.80
Waverly[2]	Missouri							.12	T.																			.67					1.33
Wilderness Lookout[2]	White		*						*				.25											T.	.01	T.		.53					0.79
Southeastern Division																																	
Advance[3].....¼ mile W	St. Francis		.25	.03	T.			.09	.08																			.17					0.62
Alton..... 10 miles SE	Black		.15	.27					.12																			.49					1.03
Annapolis	St. Francis																																
Annapolis[2] 4½ mi. NW	do			.10		T.			.10	T.																							0.66
Arcadia[3]	do			.12	T.				.11																			.46					0.69
Banner[2]	Black			.08					.07																			*	.46				0.62
Belleview	Meramec		.01	T.	T.				.06	.02																		.10	.37				0.14
Birch Tree....½ mile E	Black		.18	.06				.02	.18																			.05					1.02
Black..... 9 miles NW	do		.08	.05		T.		T.	.12																	.03	.55					0.81
Bunker[2]... 4 miles NW	do			.01				.02	.01																			.56					0.79
Campbell	St. Francis		.36	.37	T.				.02																				.75				0.85
Cape Girardeau[2]	Mississippi			.18	T.				.10	.12																	T.	.10					0.58
Caruthersville[2]	do		.20	.82		.05			*	.15																		.10					1.32
Centerville[2]	Black			.10	T.				.15	T.																		.03	.26				0.54
Cook Station[2]	Meramec			.05					.05																			*	.18				0.28
Crane Mountain[2]	St. Francis			.09					.07																			.05	.30				0.51
Crystal City	Mississippi		T.	.07		T		T.	T.																T.			.18					0.25
Cuba	Meramec		T.					T.																				.29					0.29
Deering[2]	St. Francis		.21	.50																							T.	T.	T				0.71
De Soto[2]	Mississippi			.06		T.			T.																			.05	.13				0.24
Dexter[2]	St. Francis		.03	.30		.05			T.	.20																	.02		.23				0.83
Doniphan	Black		.15	.19	T.				.18																		T.	.40					0.83
East End[2]	Meramec																											.70	.30				1.00
Eastwood Lookout[2]	Black		*	.16					.09	T.																	.02	.03	.13				0.43
Ellington[2]	do			.10					*	.10																		*	.50				0.70
Ellsinore Lookout[2]	do								.06																			.22	1.40				1.68
Farmington	St. Francis		T.	.12				.01	.06																			.29					0.48
Fisk[2]	do		.19	.11	T.	T.			.04	.05																			.11				0.50
Fredericktown[2]	do			T.					.18																			T	.34				0.52
Gerald[2]	Meramec			.14					T																	T.	T.	T.	.23				0.37
Greenville	St. Francis		.15	.10				.02	.16																			.30					0.73
High Lookout[2]	Black		.02	.20					.20																			*	.52				0.94
Jackson	Mississippi		.14	.12				T	.09																			.26					0.61
Jefferson Barracks	Mississippi			.15				T.																				.11					0.26
Jerome[2]	Gasconade								.05																			.60					0.65
Koshkonong	Black		.21	.05				T	.59																			.57					1.33
Leeper[2]	do			.09					.15	T																		.04					0.28
Licking ..... 4 miles N	Gasconade		T.	T				T.	.03	.01																	T.						0.04
Macedonia Lookout[2]	Black		.12	.10		.01			.19	.03																	.02		.41				0.88
Malden[3]...4 miles NNW	Mississippi		.62	.04	T.	.04		T.	.07																		T.	.09					0.85
Marble Hill	do		.11	.13				T.	.25																			.27					0.76
Meramec Park[2]	Meramec			.22			T.		T																		T.	T.	.11				0.33
Morehouse	Mississippi		.27	.21				T	.07																	.07							0.62
Moselle[2]	Meramec																											.20					0.20
New Madrid[2]	Mississippi		T.	.55		.03			T.	.03																		.09					0.70
Owensville[2]	Gasconade								T																			.10					0.10
Pacific[2]	Meramec							T.	T																			.49					0.49
Parma[5]	St. Francis			.55		.02			.03																				.03				0.63
Perryville	Mississippi		.20	.10				T.	.15																			.25					0.70
Pilot Knob[2]...2 mi. NE	St. Francis			.13		.07			.09																			.04	.35				0.68
Poplar Bluff[2] ....(A)	Black		.15						.20																			*	.30				0.65
Poplar Bluff[2] ....(B)	do		.06	.07					.10	.02																	T.		.31				0.56
Reynolds[2]	do								.08																			*	.31				0.39
Richwoods[2]	Meramec							T.																			T.	.19					0.19
Rolla[2]	do			.17			T.		T																.08	T.	.45						0.70
Round Spring[2]	Black			.51				.12																				.21					0.84
St. Louis City Office[1, 5]	Mississippi		.10	.07	T.	T		T.																				.18				T.	0.30
Airport[3]	Missouri		04	.02	.01	.01			T.																T.			.12					0.20
St. Louis Univ.[1, 5]	Mississippi		.08	.02		T.		T.																				.09					0.19
Washington Univ.[2]	do			.08			T.		T.																			.08					0.16
Salem	Meramec		.10					T.	.11																		T.	.35					0.54
Sikeston[2]	Mississippi			.09	T.	.04			.05	.20																			.18					1.16
Summersville	Black		.14	.15				T.	.07																	T.	.29						0.65
Union	Meramec							T.																				.29					0.29
Valley Park[2]	do			T.		T.			T.																				.08				0.08
Van Buren	Black		.16						.16																			.24					0.56
Vichy[3]..... 2 miles NW	Meramec		.05	T.	T.	T.		.03	T.																T.	T.	T.	.50					0.58
Wappapello Dam[2]	St. Francis		T.	.13					.09	.04																			.25					0.51
Weingarten	Mississippi			.10				T	.15																			.28					0.53
West Plains[3]	Black		.32		.03	T.		.10	.09																		T.	.61					1.15
Williamsville[2]	do			.22					.10	.06																		.02	.39					0.79
Willow Springs[2] 500 ft E	White			.20					.25	.02																			.25					0.72
Winona Ranger Sta.[2]	Black		.02	.17		.01			.20	T.																			.52					0.92
Zalma.....3½ miles S	Mississippi		.14	.02				T.	.18																			.28					0.62
Cairo, Ill.[1, 5]	do		.43	.03		.02		T.	.21																		T.	.05					0.74

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage.

Daily Temperatures for January 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick /	Maximum	36	43	38	33	36	37	20	26	34	38	27	24	34	44	45	41	50	51	48	49	51	52	44	56	62	61	62	48	53	55	47	43.4
	Minimum	12	14	25	27	31	20	20	6	7	11	20	14	8	8	13	20	20	20	29	22	22	27	23	23	38	48	48	34	28	28	30	22.5
Chillicothe /	Maximum	38	41	34	34	35	35	16	21	34	36	26	25	33	44	45	39	50	49	46	50	48	49	42	54	65	60	60	45	51	48	46	41.9
	Minimum	12	15	17	18	25	21	13	2	2	15	16	9	6	7	17	17	21	23	33	23	24	26	25	25	38	45	46	32	28	29	29	21.3
Columbia	Maximum	38	38	42	35	36	39	30	24	35	40	26	25	31	46	42	39	49	51	49	50	51	55	47	59	60	60	64	50	52	57	47	44.1
	Minimum	15	29	22	25	24	23	14	8	10	24	20	15	9	17	20	23	18	34	31	22	31	31	24	38	51	49	45	35	31	30	30	25.7
Fayette	Maximum	35	41	43	34	35	38	35	23	35	40	31	23	35	44	43	39	49	48	47	50	52	53	45	55	60	58	62	55	52	56	47	44.0
	Minimum	10	26	19	24	26	17	14	4	5	21	17	12	5	8	18	21	16	27	32	22	33	29	23	36	51	45	51	33	27	27	29	23.5
Grant City	Maximum	37	47	39	32	37	33	30	23	35	43	36	29	34	44	52	43	52	58	51	52	50	51	43	53	61	63	59	48	53	49	45	44.6
	Minimum	14	25	20	30	20	18	8	− 1	8	16	9	2	3	13	16	18	16	32	30	17	25	23	16	34	48	44	48	28	22	30	28	21.3
Hannibal	Maximum	35	38	42	34	33	36	25	21	31	37	27	21	29	40	40	35	42	45	42	41	47	51	41	52	56	54	63	48	48	57	45	40.5
	Minimum	22	23	18	25	22	18	9	6	6	21	14	6	6	14	18	20	20	30	26	17	34	27	24	30	49	42	45	32	27	29	27	22.8
Kansas City Airport.	Maximum	41	42	33	35	38	36	29	23	35	40	28	25	34	44	46	43	52	53	49	53	52	51	49	59	64	65	63	48	53	47	46	44.4
	Minimum	20	27	25	32	26	27	10	4	13	24	20	15	11	22	24	26	23	37	34	28	32	27	26	40	56	56	43	34	31	32	30	27.6
Kirksville	Maximum	35	38	36	32	34	34	32	20	32	34	33	25	29	39	44	42	45	45	43	44	48	48	43	47	59	57	60	53	49	52	46	41.2
	Minimum	14	27	19	30	24	21	9	1	9	22	13	6	9	18	24	21	24	24	30	20	33	30	22	33	46	43	50	31	26	31	28	23.8
Lawson	Maximum	41	40	33	33	38	36	31	32	35	39	36	26	35	47	44	41	51	55	55	53	51	47	46	56	60	60	60	46	52	50	42	44.2
	Minimum	18	28	23	28	23	21	12	2	9	18	18	10	7	17	22	21	31	31	31	23	31	25	26	35	47	50	44	34	27	31	28	24.8
Louisiana /	Maximum	37	39	41	36	34	38	29	24	32	40	29	22	20	41	43	35	44	47	44	44	48	52	54	54	56	60	65	54	49	57	44	42.3
	Minimum	22	20	22	20	26	17	21	12	4	5	18	12	3	3	14	14	16	16	32	21	20	29	20	21	36	38	42	36	32	25	25	20.7
Macon /	Maximum	35	41	42	32	35	35	16	23	33	36	28	24	32	42	42	38	47	48	45	47	48	50	43	54	59	60	61	47	52	58	46	41.9
	Minimum	10	10	14	17	29	20	11	2	3	10	15	6	8	10	17	21	20	20	30	20	21	26	23	24	37	44	44	33	28	27	28	20.3
Maryville	Maximum	37	43	34	31	34	31	28	21	32	38	32	24	32	41	46	41	48	54	45	49	46	46	40	51	60	61	57	45	48	44	40	41.3
	Minimum	15	26	21	29	19	20	8	− 2	7	15	10	3	5	15	20	19	21	30	26	20	25	23	24	34	48	45	45	27	24	33	25	21.9
Mexico /	Maximum	37	39	39	35	36	39	20	24	35	41	27	25	32	46	45	37	48	48	47	48	51	55	47	56	56	62	65	52	54	59	46	43.6
	Minimum	9	16	15	15	18	20	19	5	7	10	18	12	5	6	11	18	17	18	22	20	21	26	20	26	30	42	44	34	30	28	29	19.7
Moberly /	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Oregon	Maximum	39	46	42	32	37	32	31	22	31	41	38	26	33	42	50	43	47	56	49	52	50	50	44	56	61	65	60	47	50	46	44	43.9
	Minimum	20	30	25	30	21	22	11	0	10	19	13	7	10	17	21	20	26	35	30	25	30	30	28	35	52	52	45	29	27	36	29	25.3
St. Charles /	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	17	12	19	24	31	21	21	15	12	15	22	15	11	13	15	18	21	22	28	23	24	36	27	23	39	48	34	39	23	31	31	23.5
St. Joseph	Maximum	40	45	32	33	36	34	25	21	33	39	27	26	33	43	46	38	49	54	48	53	48	49	43	57	60	63	60	45	51	45	42	42.5
	Minimum	21	32	24	31	24	24	10	4	12	22	18	11	11	20	25	24	28	37	33	28	34	31	29	38	54	54	40	32	28	34	29	27.2
Trenton	Maximum	34	40	34	33	35	36	31	19	34	38	33	24	34	45	48	42	42	51	47	50	49	50	43	52	62	58	59	50	51	45	46	42.4
	Minimum	9	28	20	29	25	20	11	1	8	21	14	8	5	17	20	21	20	32	32	21	34	26	21	35	42	44	50	30	26	29	29	23.5
Unionville /	Maximum	35	48	34	35	39	38	18	27	35	43	35	23	35	44	50	44	51	55	48	49	49	52	45	54	60	59	61	45	54	53	45	44.0
	Minimum	13	13	18	18	24	20	8	− 2	− 2	8	12	4	4	4	15	19	20	20	20	16	13	26	20	15	33	47	45	30	25	24	26	17.9
Warrenton	Maximum	36	36	42	35	35	39	36	25	34	44	32	28	34	36	45	45	42	54	48	46	52	54	49	57	62	60	65	57	51	58	56	44.9
	Minimum	18	29	27	28	28	17	16	9	8	23	19	13	8	12	24	22	22	22	31	19	32	31	27	33	52	48	52	36	28	31	30	25.6
Keokuk, Iowa	Maximum	35	40	43	37	35	37	19	23	31	38	29	24	32	43	46	37	46	47	44	43	51	53	45	54	59	58	64	45	48	56	39	42.0
	Minimum	20	27	22	30	25	19	9	4	12	24	14	8	9	20	21	27	24	37	23	18	22	34	23	34	53	45	38	30	27	29	26	24.3
Southwestern Division																																	
Clinton	Maximum	38	40	35	38	40	38	33	24	35	40	29	26	38	46	48	43	53	49	52	56	56	57	51	61	64	67	62	55	53	48	51	46.0
	Minimum	18	31	32	30	23	22	14	6	7	22	20	17	9	14	20	25	24	30	29	23	30	29	24	40	52	51	40	31	31	31	29	25.9
Eldon /	Maximum	38	37	42	38	37	38	28	26	36	43	31	23	33	46	47	40	52	50	51	52	54	58	52	61	64	64	64	55	52	57	49	45.7
	Minimum	16	19	28	25	27	20	19	9	6	8	19	18	11	9	14	25	23	25	30	25	24	30	28	27	43	51	53	38	31	29	32	24.6
Harrisonville /	Maximum	39	42	34	35	39	31	21	25	26	36	29	25	36	45	47	45	54	52	52	55	55	56	48	58	62	64	58	53	53	47	49	44.2
	Minimum	19	24	29	30	25	20	19	− 1	2	9	19	13	8	9	17	20	24	25	32	23	24	29	29	30	45	49	52	31	31	31	30	24.1
Jefferson City /	Maximum	38	40	41	37	33	40	26	25	37	44	28	29	35	47	47	49	52	43	47	50	47	44	42	53	61	64	62	45	45	49	41	43.3
	Minimum	16	18	26	25	26	22	21	10	10	11	21	16	9	10	14	22	22	22	30	23	23	29	29	29	40	51	54	38	32	29	31	24.5
Joplin	Maximum	40	39	49	57	40	47	39	21	33	38	34	26	33	44	48	45	52	51	53	59	57	58	51	62	71	73	67	55	61	50	49	48.5
	Minimum	28	35	34	36	28	26	15	10	7	25	25	20	15	18	26	31	30	37	34	30	39	40	33	46	60	59	45	38	40	38	34	31.7
Lamar /	Maximum	36	38	42	54	41	45	31	29	33	40	36	30	38	38	48	48	52	48	54	58	56	58	52	60	70	70	55	55	58	50	51	47.5
	Minimum	18	26	29	29	29	21	21	9	3	3	18	18	10	9	11	19	21	21	30	21	22	29	24	27	44	50	51	29	29	31	29	23.6
Lebanon	Maximum	37	36	46	45	43	44	41	23	33	41	41	32	35	46	49	46	52	51	50	53	55	57	55	60	67	66	63	58	53	53	50	47.8
	Minimum	20	31	30	23	27	21	21	9	2	21	20	17	9	14	20	22	22	31	30	21	31	32	25	38	51	51	51	33	29	30	30	26.2
Lexington /	Maximum	37	45	34	34	36	37	21	25	34	27	29	28	35	44	47	44	52	54	51	53	53	54	58	59	64	64	69	50	55	48	51	44.9
	Minimum	19	21	24	26	26	23	16	8	4	13	17	12	10	11	19	24	24	27	33	25	26	28	28	30	43	45	53	33	32	32	31	24.5
Marshall	Maximum	36	39	39	..	34	37	36	26	36	37	35	25	35	45	44	43	52	55	50	53	53	52	53	58	64	62	62	57	52	54	49	[a]45.8
	Minimum	11	25	28	..	28	23	15	5	9	24	19	13	9	16	23	23	33	34	25	25	30	27	42	52	42	57	33	31	30	31	[a]26.2	
Mountain Grove	Maximum	35	36	45	45	43	41	41	28	31	45	45	37	35	42	50	49	50	52	52	53	58	61	56	60	63	64	63	60	54	54	50	48.3
	Minimum	25	31	30	27	27	20	27	11	4	15	21	18	10	12	23	26	25	31	32	24	36	38	27	37	49	51	50	36	32	31	32	27.7
Neosho	Maximum	42	41	49	58	55	48	45	29	35	43	40	35	36	47	51	47	53	56	53	61	60	58	56	62	72	73	69	56	61	58	50	51.6
	Minimum	22	34	33	36	32	20	29	14	− 4	18	18	21	15	11	16	23	22	26	26	21	25	32	24	41	58	55	52	30	33	30	27	27.1
Nevada	Maximum	39	42	42	47	39	45	40	27	33	41	39	30	38	46	49	48	54	59	58	56	58	59	54	61	69	70	66	57	59	54	50	49.3
	Minimum	18	32	28	33	28	21	17	6	7	18	19	19	8	12	18	23	22	31	31	22	27	28	23	41	53	52	52	28	33	33	27	26.1
Sedalia	Maximum	40	41	40	40	36	37	35	24	34	39	35	25	36	44	45	43	51	50	49	53	53	55	52	61	65	64	63	56	53	55	49	45.9
	Minimum	18	31	21	26	26	22	17	4	7	23	18	15	7	15	21	22	22	32	29	22	30	28	25	36	50	49	50	30	29	33	30	25.4
Springfield .. ½ mile E	Maximum	36	36	35	45	42	42	34	22	31	41	35	28	33	45	49	45	51	52	51	53	56	56	49	61	65	68	63	53	55	47	47	46.0
	Minimum	24	32	28	32	23	22	13	5	2	20	21	16	10	14	23	25	25	30	33	23	32	32	26	40	52	55	42	36	34	32	30	26.9
Warrensburg	Maximum	35	38	39	35	35	36	37	22	32	38	35	27	31	41	43	44	49	51	50	50	52	49	49	59	60	62	63	56	50	51	47	43.9
	Minimum	21	31	24	31	26	22	17	4	8	22	20	15	11	17	23	25	27	23	33	25	33	30	29	39	53	50	53	32	31	34	31	27.1
Southeastern Division																																	
Arcadia /	Maximum	40	38	39	43	47	47	31	30	32	44	44	34	34	40	51	48	51	53	54	55	62	67	55	70	68	66	61	76	56	59	53	49.9
	Minimum	17	19	31	31	32	15	14	16	4	2	17	17	11	8	6	16	21	21	23	24	25	22	24	23	39	46	50	41	24	23	22	22.4
Birch Tree .. ½ mile E	Maximum	39	39	48	40	43	44	38	29	33	46	45	38	33	39	52	48	51	55	53	59	64	55	65	63	60	68	60	54	57	53	49.2	
	Minimum	23	32	32	25	30	13	23	15 − 5		4	15	20	9	6	20	23	23	20	30	19	24	27	23	33	30	52	55	37	33	24	36	24.2	
Caruthersville /	Maximum	43	40	46	46	48	45	40	30	34	43	50	46	34	35	50	50	46	53	59	50	62	69	55	68	69	67	69	63	49	61	56	50.8
	Minimum	27	30	32	32	35	22	22	25	14	16	18	23	19	18	23	26	27	25	25	30	29	33	34	32	42	46	53	40	38	33	34	29.1
Crystal City	Maximum	39	38	42	40	40	44	42	30	38	47	45	34	31	45	52	49	50	56	55	51	56	65	51	63	69	67	72	71	56	63	57	50.3
	Minimum	15	31	32	29	34	17	22	17	10	19	20	17	7	7	15	20	18	19	33	22	31	27	22	31	47	44	55	36	29	23	36	25.3
Doniphan	Maximum	42	39	54	43	45	46	38	33	35	43	48	35	33	34	56	52	53	56	59	58	67	71	63	67	69	63	72	66	56	62	57	52.1
	Minimum	19	35	35	24	33	13	22	20 − 2		4	16	24	11	15	20	18	22	19	27	20	21	26	22	30	46	55	57	31	32	25	43	25.3
Farmington	Maximum	37	36	39	38	42	43	37	22	35	44	39	38	31	39	51	47	46	52	51	50	56	64	55	62	66	64	69	67	52	60	55	48.0
	Minimum	17	30	31	32	31	18	21	16	9	18	20	16	10	9	19	27	23	21	36	23	32	27	28	32	50	50	58	39	33	24	34	26.9
Jackson	Maximum	40	38	41	41	42	42	41	30	31	38	42	39	39	34	49	48	45	50	54	51	58	63	62	61	65	64	67	66	59	57	57	48.8
	Minimum	21	33	32	30	33	19	26	20	9	6	20	21	13	12	22	22	26	20	31	25	26	27	24	30	49	50	57	32	33	25	25	26.4
Poplar Bluff	Maximum	43	42	52	44	45	41	35	31	35	43	47	36	32	33	55	53	52	55	53	52	65	68	57	67	65	66	69	65	55	61	55	50.7
	Minimum	21	33	33	27	32	16	22	19	7	12	21	23	14	16	23	25	26	20	30	26	26	29	23	31	43	53	56	32	34	24	35	26.8
Rolla /	Maximum	37	36	41	42	34	42	28	21	36	44	34	26	34	47	52	43	50	54	52	52	55	60	50	65	66	63	66	56	52	58	49	46.7
	Minimum	20	21	28	24	24	21	26	10	10	17	22	15	10	12	19	23	21	24	32	23	25	29	29	31	41	51	54	36	30	33	32	25.7
St. Louis	Maximum	37	37	41	38	39	42	32	25	34	47	33	24	32	44	44	37	44	53	48	47	50	58	45	56	66	62	70	53	47	59	49	44.9
	Minimum	24	33	32	30	28	26	17	16	17	26	24	16	16	20	28	28	30	33	34	26	40	37	33	36	48	50	51	40	35	36	34	30.5
Salem	Maximum	36	36	40	37	42	48	38	25	37	45	37	30	36	48	52	45	50	52	52	53	56	63	53	65	66	62	68	60	52	57	51	48.1
	Minimum	24	32	29	25	29	16	20	13	3	18	20	17	8	10	16	19	19	27	33	22	34	25	22	33	51	50	54	36	28	25	33	25.5
Sikeston /	Maximum	35	41	45	41	45	47	35	30	35	42	46	29	33	32	54	48	47	53	60	60	61	68	56	68	69	64	68	66	51	63	57	50.1
	Minimum	25	26	30	30	33	20	20	22	6	7	18	23	11	12	18	22	27	26	27	26	26	28	27	34	35	51	56	37	37	28	30	26.4
Union	Maximum	43	43	42	45	40	46	43	29	41	53	49	31	35	47	51	50	52	55	57	54	53	61	57	61	73	69	72	77	57	65	58	51.9
	Minimum	15	28	32	25	31	25	19	13	11	20	17	16	5	5	12	18	14	17	35	19	27	24	29	30	52	41	55	38	35	21	33	24.6
West Plains	Maximum	38	35	51	42	46	44	34	26	32	47	44	30	33	42	52	49	54	54	53	54	65	65	53	61	61	61	68	61	50	54	54	48.9
	Minimum	20	32	25	23	19	14	18	1 − 3		5	18	20	12	11	21	23	23	20	31	22	28	28	24	32	46	51	42	35	28	26	29	23.4
Cairo, Ill.	Maximum	41	39	41	44	44	41	36	29	29	42	42	30	32	34	46	46	44	51	54	43	58	65	50	64	66	64	66	60	49	58	51	47.1
	Minimum	28	35	35	34	28	23	28	20	14	20	28	22	18	19	29	28	29	26	34	31	33	34	31	37	52	58	54	41	36	31	36	31.4

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis, 3-6-44—1000.

UNMS
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII FEBRUARY 1944 No. 2

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The month was both warmer and wetter than the average February. It was the second consecutive February of abnormal warmth, although the current month averaged 1.2° colder than the same month one year ago. Mild to unseasonably warm weather, which prevailed the latter half of January, continued the first week or so of February. On the 10th a cold period began, and mostly sub-normal temperatures continued through the 19th, with the coldest weather of the month occurring during this period, when minimum readings ranged from 2° below zero in the Southeastern Division to 21° below zero at one station on the extreme northern boundary of the State. Another period of warm and unseasonably mild weather prevailed from the 20th to the 27th, inclusive, during which the highest temperatures of the month occurred, with afternoon readings generally in the 70's and 80's. The last two days of the month were slightly cooler than normal, as a rule. Average temperatures and departures from normal for each of the three divisions of the State were as follows: Northern Division 33.2°, +3.2°; Southwestern Division 39.3°, +5.3°; Southeastern Division 41.3°, +4.8°; for the State 37.9°, +4.7°. The minimum of 21° below zero, at Grant City, was the lowest temperature recorded in February, in this State, since 1936, when a reading of 26° below zero was reported.

Precipitation during February averaged 1.03 inches more than the 57-year average, and it was the first month since October 1943 with more than normal precipitation. The moisture was badly needed to replenish low and dwindling water supplies and to help increase the water content of the subsoil, which had become very low, due to the long period of dry weather which had prevailed since the latter half of July 1943. The precipitation was well distributed throughout the month, and occurred as both rain and snow, most of which was absorbed by the soil, there being very little run-off, except during the last week, when stream flow and river stages increased sharply. The average precipitation and departures from normal for the Northern Division was 1.72 inches, +0.12 inch; the Southwestern Division 3.56 inches, +1.61 inches; the Southeastern Division 4.01 inches, +1.35 inches; for the State 3.10 inches, +1.03 inches. The monthly snowfall average was greater than for any February since 1939, and it was the second month of the current winter with rather heavy snowfall.

The unusually mild weather the first week, or so, of February caused further swelling and premature development of buds on fruit and shade trees, and shrubbery, and good growth of all grasses and small grains. Much plowing and preparation for spring planting was accomplished during this period. However, the cold spell beginning on the 10th, temporarily checked the unseasonable advancement of buds and stopped outdoor work. During the second mild period from the 20th to 27th, inclusive, further crop growth and development of buds occurred. Also, plowing and other preparation of the ground was resumed, with some oats being sown. Water supplies were greatly improved during the month and became generally adequate, at least for a while. Livestock continued in good condition and were able to forage throughout most of the month, as the ground was not snow-covered for very long periods of time, following the snows.—M. R. W.

(Continued on page 9)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind			Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.	
Columbia	30.71*	12	29.45*	26	8.1	25	w.	22	83*	70*	66*	62	835
Kan. City Airp't.	30.74	12	29.34	25	10.3	38	sw.	26	81	64	61	64	847
St. Joseph	30.72*	12	29.29*	26	8.9	34	w.	22	85*	65*	63*	48	907
St. Louis	30.68*	12	29.53*	25	12.2	38	w.	22	75	69	65*	54	778
Springfield	30.63	12	29.55	25	12.6	36	sw.	22	85	66	68	52	718
Cairo, Ill.	30.65	12	29.67	26	9.5	30	sw.	5	84	66	..	54	622

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	33.0	73	−17	2.22	2.04	2.22	2.39	....	7	..	..	..
1889	29.3	73	− 9	2.74	1.80	3.12	3.30	....	7	..	..	..
1890	35.5	81	− 8	2.71	1.12	2.04	4.97	....	7	..	..	..
1891	32.7	78	−13	2.45	2.05	2.33	2.96	2.4	6	..	..	..
1892	37.7	71	2	4.31	3.47	5.40	4.06	....	9	7	6	16
1893	27.9	65	−20	2.17	2.02	1.49	2.99	4.6	6	10	7	11
1894	30.8	72	−12	2.70	2.15	2.01	3.93	11.2	6	10	8	10
1895	23.6	77	−26	0.57	0.48	0.55	0.67	3.3	5	10	10	8
1896	35.6	81	−10	1.67	1.50	1.22	2.30	4.1	5	12	8	9
1897	31.8	74	−15	2.51	1.47	2.79	3.27	8.2	7	7	7	14
1898	35.4	78	− 9	1.61	1.51	1.47	1.81	0.8	5	13	6	9
1899	20.4	72	−32	2.30	1.75	2.06	3.10	5.3	6	12	8	8
1900	26.2	70	−16	4.00	3.87	3.35	4.77	16.6	10	10	6	12
1901	28.1	76	−19	1.74	1.41	1.51	2.31	7.6	6	13	7	8
1902	24.0	72	−17	1.62	0.89	2.10	1.88	5.5	5	11	8	9
1903	29.8	74	−25	3.25	1.98	3.34	4.42	5.8	7	11	6	11
1904	30.0	82	−18	1.02	0.64	0.63	1.78	1.5	5	11	8	10
1905	21.5	69	−40	1.68	1.72	1.69	1.63	13.2	8	11	6	11
1906	33.7	73	−13	2.42	2.66	2.17	2.43	4.8	7	15	6	7
1907	34.8	77	−15	1.28	0.79	0.92	2.12	4.5	6	12	5	11
1908	35.6	78	− 7	4.32	2.83	4.20	5.94	4.1	9	13	6	10
1909	38.8	71	− 4	3.24	2.37	2.52	4.82	3.1	9	13	5	10
1910	28.3	72	−24	2.17	0.92	1.89	3.71	10.2	6	13	5	10
1911	38.1	87	0	3.78	4.09	3.99	3.27	6.7	8	12	5	11
1912	28.3	72	−12	2.51	1.99	2.56	2.98	14.5	6	10	7	12
1913	29.8	78	− 9	2.15	2.08	2.62	1.75	8.5	7	12	5	11
1914	28.3	75	−11	2.80	2.03	2.55	3.83	14.0	7	12	6	10
1915	39.4	72	7	3.07	2.48	3.53	3.21	4.1	8	9	5	14
1916	31.4	78	−12	0.98	0.79	0.73	1.42	5.0	5	13	6	10
1917	30.5	83	−22	0.42	0.16	0.24	0.85	1.4	2	14	7	7
1918	34.9	85	−25	1.06	1.25	0.80	1.12	0.6	4	15	6	7
1919	35.3	71	−10	1.96	1.98	2.08	1.82	6.4	7	13	4	11
1920	34.5	78	− 5	0.62	0.33	0.40	1.14	1.2	4	11	6	12
1921	40.1	86	5	1.03	0.55	0.74	1.79	1.8	4	14	6	8
1922	35.4	80	− 5	1.83	1.37	1.62	2.49	1.9	5	14	6	8
1923	30.2	75	− 9	1.58	0.52	1.26	2.97	1.4	5	13	5	10
1924	33.8	79	− 5	1.84	1.58	1.92	2.03	8.1	7	14	4	11
1925	38.7	78	1	1.88	1.85	1.42	2.37	1.7	6	12	6	10
1926	39.4	76	− 4	2.07	1.93	1.81	2.46	2.9	6	11	6	11
1927	41.3	78	1	1.07	1.07	0.90	1.25	2.3	5	10	8	10
1928	37.0	73	− 2	2.27	2.18	2.17	2.47	1.8	7	12	6	11
1929	25.0	64	−23	1.96	1.31	1.72	2.86	9.4	7	10	5	13
1930	44.5	89	− 5	1.75	0.95	1.49	2.80	1.3	4	13	8	7
1931	40.9	75	5	2.49	1.46	2.82	3.20	0.3	6	12	6	10
1932	42.4	83	− 3	1.47	1.00	0.99	2.43	2.0	6	12	7	10
1933	32.2	78	−22	1.45	0.74	1.26	2.35	4.2	5	14	7	7
1934	32.5	79	−26	1.34	1.00	1.32	1.70	7.0	5	15	6	7
1935	37.4	80	0	1.54	1.63	1.45	1.55	0.2	5	10	6	12
1936	23.2	78	−25	1.50	1.43	1.33	1.73	4.1	6	12	7	10
1937	32.4	74	−15	1.38	1.20	1.46	1.48	3.5	6	11	7	10
1938	41.4	80	− 5	3.20	1.47	3.60	4.54	5.0	7	8	6	14
1939	33.0	71	− 9	3.17	1.73	2.70	5.08	8.6	9	11	6	11
1940	33.5	78	−11	1.59	1.11	1.37	2.28	5.5	9	7	6	16
1941	32.7	66	0	0.58	0.50	0.62	0.63	2.2	5	10	7	11
1942	33.0	74	−10	3.00	3.43	2.35	3.23	6.6	10	8	7	13
1943	39.1	80	−10	0.94	0.81	0.95	1.07	0.9	4	17	7	4
1944	37.9	82	−21	3.10	1.72	3.56	4.01	7.5	9	10	8	11
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
Period	33.2	89	−40	2.07	1.60	1.95	2.66	5.1	6	12	6	10

NAT. HIST.

Climatological Data for February 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	31.6	.....	65	25	−19	12	15	1.90	+0.28	0.80	10	15.0	6	16	6	7	n.	Curtis E. Grace
Bethany	Harrison	916	49	31.1	+ 3.6	64	25	−17	12	51	1.62	+0.20	0.73	21-22	9.3	4	4	9	16	ne.	A. S. Cumming
Brookfield	Linn	767	3	....	.....	65	25†	..	..	3	....	.....	....	..	....	..	..	..	..	.....	G. F. Breen
Brunswick	Chariton	652	63	32.8	+ 3.0	66	23†	−10	13	65	2.23	+0.42	0.87	26	10.0	10	12	1	16	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	31.6	.....	60	23	−12	12	14	1.78	+0.52	0.92	10	11.0	6	9	9	11	ne.	Lockmaster
Chillicothe	Livingston	779	35	31.4	− 0.9	64	24†	−14	12	38	1.63	+0.18	0.73	10	17.0	3	20	4	5	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	35.5	+ 5.3	66	23†	−12	12	35	1.67	−0.07	0.61	25	8.0	7	9	9	11	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	54	36.3	+ 3.9	69	23	− 5	12	54	2.78	+0.69	0.91	25	7.1	10	8	6	15	s.	U. S. Weather Bureau
Conception	Nodaway	980	55	31.9	+ 3.7	62	25	−19	12	60	0.90	−0.25	0.34	25	5.5	4	8	11	10	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	34.2	− 0.1	70	25	−12	12	41	1.53	+0.19	0.50	25	7.5	5	7	5	17	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	13	36.8	+ 3.0	70	23	− 6	12	13	1.64	−0.02	0.49	25	6.5	7	8	16	5	nw.	John Dowell
Fayette	Howard	760	64	36.2	+ 5.6	67	23	− 8	12	61	2.25	+0.65	1.07	25	5.5	8	12	6	11	sw.	Irvin E. Schnell
Fulton	Callaway	818	56	34.6	+ 1.5	71	23	− 7	12	52	3.59	+1.92	1.51	25	6.6	10	16	5	8	ne.	Frank E. Hillgartner
Grant City	Worth	1,134	40	31.2	+ 2.6	62	25†	−21	12	52	0.75	−0.36	0.28	10	12.0	5	7	7	15	sw.	Howard Rybolt
Hannibal	Marion	759	52	32.3	+ 2.6	65	23	−12	12	60	1.97	+0.07	0.80	10	10.3	8	9	11	9	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	35.6	+ 4.4	73	25	− 5	12	55	1.78	+0.23	0.57	28	8.0	7	9	9	11	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	37.4	.....	73	25	− 6	12	6	2.14	.....	0.72	10-11	7.0	10	5	12	12	nw.	University of Kansas City
Kidder	Caldwell	1,020	52	32.2	+ 3.8	62	24†	−17	12	56	0.80	−0.74	0.24	10	8.5	7	11	6	12	ne.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	32.8	+ 5.7	63	25	−14	12	62	1.67	+0.14	0.75	10	14.1	5	9	7	13	sw.	P. O. Selby
Lawson	Ray	1,070	6	35.0	.....	71	25	−16	12	6	1.70	.....	0.57	10	11.5	7	17	4	8	ne.	Frank G. Gstrein
Louisiana	Pike	469	50	32.4[b]	+ 1.5	69	23	− 9	12†	63	1.24§	−0.84	0.30	21-22†	4.0	7	0	25	4	nw.	Stark Bro's Nurseries
Macon	Macon	875	45	31.3	+ 1.7	63	23†	−14	12	51	1.50	−0.20	0.45	16-17	8.3	8	4	11	14	nw.	John W. Atwell
Maryville	Nodaway	1,169	54	30.0	+ 4.2	61	25	−20	12	50	0.78	−0.65	0.43	9-10	9.5	4	9	8	12	ne.	R. B. Montomery
Memphis	Scotland	787	5	28.6	.....	62	25	−13	12†	14	1.50§	+0.53	0.55	9-10	10.5	5	9	8	12	nw.	John W. Alexander
Mexico	Audrain	860	55	33.6	+ 3.5	69	23†	−12	13	66	3.39	+1.54	0.63	10-11	12.0§	12	9	9	11	sw.	Henry D. Llewellyn
Moberly	Randolph	875	7	....	.....	66	25	−10	12	7	....	.....	....	..	....	..	..	..	..	.....	James G. Carney
New Florence, 1 mi SE	Montgomery	885	1	34.4	.....	70	23	− 7	12	2	2.67	.....	1.06	21	8.0	7	6	8	15	n.	U. S. Weather Bureau
Oregon	Holt	1,048	88	33.3	+ 4.5	66	26	−15	12	88	1.06	−0.31	0.30	10	9.0	7	15	6	8	ne.	Miss Mina Wright
St. Charles	St. Charles	520	56	36.4	+ 3.1	72	25	− 2	12†	66	2.72§	+0.73	0.60	21-22	5.7	10	11	11	7	s.	Martin L. Comann
St. Joseph	Buchanan	957	34	33.7	+ 4.1	68	25	−10	12	72	1.32	−0.41	0.52	10	11.1	6	12	7	10	e.	U. S Weather Bureau
Saverton, Lock No 22	Ralls	472	6	34.1	.....	67	23	−10	12	6	2.43	.....	0.62	21-22†	9.0§	11	18	5	6	nw.	Lockmaster
Shelbina	Shelby	779	3	33.4	.....	65	23†	−14	12	51	1.64	−0.20	0.54	25	6.8	6	15	5	9	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	32.6	+ 2.9	61	23†	−15	12	51	2.26	+0.49	1.01	25	12.0	7	11	6	12	w.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	....	.....	..	..	..	..	50	....	.....	....	..	....	..	..	..	..	.....	.....
Trenton	Grundy	822	48	32.9	+ 3.5	64	25	−14	12	49	0.85	−0.73	0.31	17	12.2	7	9	11	9	s.	W. H. Estes
Unionville	Putnam	1,062	51	28.0	+ 1.3	67	25	−16	12	51	1.02	−0.75	0.45	10	10.0	5	12	8	9	sw.	C. D. Wilson
Warrenton	Warren	816	62	36.9	+ 6.0	72	26	− 6	12	54	2.50	+0.61	....	..	8.3	7	13	9	7	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	31.5	+ 3.1	62	26	−11	12	72	2.01	+0.41	0.90	25	6.3	7	7	8	14	n.	U. S. Weather Bureau
Division means and extremes		.....	..	**33.2**	**+ 3.2**	**73**	**25**	**−21**	**12**	..	**1.72**	**+0.12**	**1.51**	**25**	**9.2**	**7**	**10**	**8**	**11**	**nw.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	40.5	+ 4.8	82	24	7	15	45	3.73§	+1.95	1.28	27-28	7.0	9	13	6	10	sw.[a]	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	39.0	+ 5.1	73	25	− 1	12	52	3.54	+1.87	1.30	25	4.0	9	5	12	12	ne.	Rolla Brown
Bolivar	Polk	1,071	41	40.0	+ 4.8	74	24†	− 1	12	49	2.45	+0.35	1.22	27-28	8.0	10	13	6	10	sw.	Southwest Baptist College
Boonville	Cooper	650	6	33.2	.....	67	23	− 7	12†	67	2.92	+1.14	1.20	24-25	4.0	10	8	6	15	ne.	Boonville Water Dept.
Carthage	Jasper	962	10	42.4	.....	78	24	6	12	20	2.93	.....	1.18	27-28	6.0	9	4	17	8	ne.	Carthage W. and E. Plant
Clinton	Henry	786	51	37.8	+ 4.2	73	25	− 2	12	57	3.95	+2.00	1.54	25	6.5	11	11	11	7	e.	U. S. Weather Bureau
Eldon	Miller	934	49	36.0	+ 2.9	73	25	− 2	13	45	2.78§	+0.96	0.67	25	8.0§	12	12	7	10	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	38.2	.....	73	24†	− 1	12	3	3.00§	.....	0.80	28	10.0	6	5	13	11	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	35.0	+ 4.3	73	24	− 6	12†	69	2.01	+0.28	0.71	27-28	4.0§	9	7	9	13	e.	John H. Patterson
Jefferson City	Cole	557	54	35.0	+ 2.9	66	24†	− 3	12†	62	2.77	+1.01	0.90	28	8.0	11	13	2	14	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	42.7	+ 6.9	76	24	6	12	39	3.36	+1.68	1.27	28	....	9	15	2	12	ne.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	37.2	+ 3.2	73	25	0	12†	13	2.85	+1.03	0.77	25	9.0	13	7	12	10	ne.	W. S. Frame
Lamar	Barton	980	56	37.5	+ 2.2	75	24	2	12†	63	2.87	+1.10	0.77	28	5.0	8	13	6	10	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	40.6	+ 6.2	75	24	− 1	12	57	2.89§	+0.70	1.61	27-28	10.5	8	8	11	10	ne.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	35.0	+ 4.0	70	24	− 9	12	60	1.62	−0.22	0.45	10	10.0§	11	10	11	8	w.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	42.0	+ 5.0	77	24	3	12	48	2.21	+0.48	0.88	27-28	7.0	6	14	7	8	se.	Hubert A. Nieman
Marshall	Saline	779	57	38.0	+ 7.1	67	24	− 8	12	54	2.46§	+0.68	0.93	25	7.8	7	11	6	12	nw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	41.8	+ 6.7	75	25	1	12	47	3.33	+1.10	1.85	27-28	5.5	10	6	15	8	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	41.8[a]	+ 7.3	78	24	4	12	44	3.24	+0.64	1.55	27-28	6.0	10	13[a]	5[a]	10[a]	nw.[a]	James C. Williamson
Neosho	Newton	1,011	57	43.6	+ 6.0	78	24	8	12	61	4.60	+2.61	1.47	8	7.0	8	8	8	13	nw.	U. S. Fisheries Station
Nevada	Vernon	862	51	41.1	+ 7.2	75	24†	1	12	52	4.05	+2.30	1.70	25	3.5	7	11	5	13	nw	Henry Kraft
Ozark Beach	Taney	700	4	41.6	.....	80	24	8	13	19	4.80	+3.00	1.74	27-28	6.0	11	1	12	16	sw.	A. J. Sharp
Sedalia	Pettis	910	31	38.2	+ 7.8	72	25	− 6	12	33	3.58	+1.44	1.66	25	9.5	8	13	6	10	nc.	Dr. J. E Cannaday
Seligman	Barry	1,542	43	43.6[b]	+ 6.1	76	24	..	..	41	5.18	+3.34	1.47	28	6.0	9	6[b]	13[b]	8[b]	e. [b]	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	40.8	+ 5.8	72	24†	0	12	38	3.55	+1.37	1.46	28	6.0	8	14	3	12	s.	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	56	39.2	+ 5.2	73	24	1	12	56	3.16	+0.73	1.59	27-28	11.1	13	4	8	15	se.	U. S Weather Bureau
Sweet Springs	Saline	700	3	36.5	.....	70	23†	6	13†	3	2.89	.....	1.10	25	9.5	10	12	10	7	w.	H. F. Nelson
Warrensburg	Johnson	878	57	38.2	+ 5.7	69	26	− 4	12	64	2.99	+1.11	1.37	25	4.7§	6	13[a]	7[a]	8[a]	ne.[a]	Central Teachers College
Warsaw	Benton	687	43	40.5	+ 4.9	74	25	− 1	12	49	3.41	+1.17	1.28	25	6.5§	9	15	5	9	nw.	Dora B. Johnson
Wasola	Ozark	1,294	3	42.4	.....	75	25	3	12	4	4.77	.....	2.04	27-28	6.4	10	7	15	7	nw.	A. W. Pinckney
Division means and extremes		.....	..	**39.3**	**+ 5.3**	**82**	**24**	**− 9**	**12**	..	**3.56**	**+1.61**	**3.13**	**8**	**7.0**	**9**	**10**	**9**	**10**	**ne.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	41.4	.....	73	24	4	12	7	5.13	.....	1.56	27-28	5.3	13	4	7	18	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	38.2	+ 4.1	73	24	− 1	12	66	3.34	+0.86	1.73	28	6.5	10	12	5	12	w.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	39.8[f]	+ 3.5	70	26	3	12	50	4.16	+1.66	1.51	28	6.0	8	11[e]	8[e]	5[e]	nw.[f]	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	39.6	+ 5.3	72	24	0	12	51	3.26	+0.98	1.90	28	6.5§	10	10	11	8	sw.	Claude Volner
Campbell	Dunklin	314	18	45.4	+ 3.3	74	25	10	12	18	5.50	+2.17	1.95	28	8.0	12	11	12	6	s.	Mrs. Ruth Christian
Carruthersville	Pemiscot	265	48	43.8	+ 3.5	75	25	13	12	52	7.22	+3.84	2.20	27-28	1.8	14	10	4	15	n.	Victor T. Malloure
Crystal City	Jefferson	420	10	41.5	+ 6.3	74	22	1	12	10	2.59	+0.72	1.05	27-28	6.3	7	17	2	10	nw.	Richard K. Ragland
Doniphan	Ripley	344	10	45.2	+ 5.9	80	26	7	15	40	5.33	+2.02	1.70	28	7.0	10	15	5	9	ne.	Boyce Lackey
Farmington	St. Francois	896	33	40.6	+ 5.7	74	24	− 2	12	47	2.61	+0.09	1.50	27-28	5.7	10	9	7	13	s.	F. M. Karsch
Greenville	Wayne	381	35	43.3	+ 7.5	76	24	4	12	37	4.00	+1.28	1.33	27-28	4.5	10	11	7	11	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	43.0	+ 6.5	70	24†	3	12	54	4.23	+1.35	1.17	28	4.7§	11	7	6	16	s.	John G. Putz
Koshkonong	Oregon	958	43	45.1[b]	+ 6.0	76	25	6	12	44	4.50	+1.64	1.30	8	7.0	9	15[a]	9[a]	4[a]	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	40.8	.....	75	24	0	12†	7	2.64	.....	1.47	28	7.0	5	15	6	8	s.	U. S. Forestry Service

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Daily Precipitation for February 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Total
Northern Division																															
Albany	Grand										.80			*	.50			.50					.08			.02					1 90
Amity[2]	...do		T.				T				.43	.57			.25		T.	.22	.06								06		T	.03	1 85
Bethany	...do										.40				.25			.24													1 62
Bowling Green[2]	Mississippi			.03								.46			*	.15		*	16				.18			15	20			.24	1 57
Brookfield[2]	Grand														.26		.25	.20					.15				29				
Brunswick[2]	...do		.05								.06	.12			.20			.12	.40				.04			.25	.87			.12	2 23
Canton, Lock No. 20[2]	Mississippi		T.	T.							.08	.84			.09	T.	T	T.	.40			T.	.12			T.	.25				1 78
Centralia[2]	...do		.02								.02	.35			.12			.17					.19			.48	.06			.25	1 66
Chillicothe[2] (A)	Grand										.73				.37			.53										T.		T	1 63
Chillicothe[2] (B)	...do		.01	T.							.25	.38			.21	T.	T.	.06	.34				.02				.05			T	1 32
Clifton Hill	Charlton										.16				.14			.45					.11			.61	.14		.04		1 67
Columbia[1, 5]	Missouri	T.	.03				T.				.32	.04		.08	.17		T	.31				.32	.02			.91			.55		2 78
Conception	...do						T.				.32			T.	.11	T.	T.	.13					T.			.34					0 90
Edgerton	...do	T.									.26			T.	.15			.49								.50			1.5		1 53
Edina[2]	Mississippi			T.							.05	.30			.15		T.	*	.37				.09				.53				1 49
Elsberry	...do		.10								.17				.15			.15					.30			.49			.28		1 61
Elsberry S. C. S.[2]	...do		.04	T.							.04	.32			.28			.02	.10				.28			.29	.26			.33	1 87
Farber[2]	...do		.05									.28			.20				.10				.25			.10	.46			.16	1 62
Fayette	Missouri	T	.02				T.				.17				.16			.11				T.	.17			1.07	.10		.25		2 35
Fulton[2]	...do	.05									.25	.12			.31			.10	.16				.34			.95	.56			.75	3 59
Gallatin[2]	Grand		T.								.30	.17			.12		T	.21	T.				.15				.06				1.01
Grant City	...do										.28	T.		T	.20	T.	T.	.13					.09			.05					0.75
Hannibal[1] (A)	Mississippi		.06								.80			T.	.11	.02		.19				.28	.03			.48		T.			1 97
Hannibal[2] (B)	...do		.13	.10							T	.75	T.		.10	T.	T.		.25				.20			.22	.67			T.	2 42
Hermann[2]	Missouri		.05								.05	.25	T.		.30	T.		.10	.07				.15			.62	.31			.55	1 93
Kahoka[2]	Mississippi		T.	T.							.60				.80			*	.80		T.		.15			*	.28				$1.63
Kansas City Airport[1, 5]	Missouri	T.	T.							T.	.43	T		.15	.01		T.	.32			T.	.01	T.			.29		T	.57		1.78
Kansas City University	...do	T.	T.								.43	.29		.16	.09			.13	.19				.01			.27		.32	.28		2.14
Kidder[2]	Grand		T				T.				.24	.17			.07			.07	.06				.04				.15				0.80
King City	Missouri										.20			.03	.20	.18		.30				.15	.12						.05		1.23
Kirksville	Mississippi		T.				T.				.75				.10		T.	.35			T.	T.	.12				.35				1.67
LaBelle[2]	...do		T.	.03							.20	.40			.12	T.		T	.28		T.		.18			.17	.30				1 68
Lawson	Missouri						T.				.57			T.	.29			.43					.09			.25	.03		.13		1.70
Linneus[2]	Grand										.25				.19			.40									.05				0 89
Louisiana[2] (A)	Mississippi		.05									.13	.17		.20				T.				.30			T.	.30			.10	$1 24
Louisiana[2] (B)	...do		.06	T.							T.	.51	T.		.19	.03		T	.18				.32			.02	.24			.15	1.33
Lucerne[2]	Grand		.03					T.			.18	.06			.07			*	.16				.18				.37				1.05
Macon[2]	Chariton		T.	T							.15	.07			.15		T.	.16	.29				.12			.36	.20				1.50
Madison[2]	Mississippi		.01								.05	.28			.12			.15	.20				.22			.54	.20			.03		1.80
Maryville	Missouri						T				.43			T.	.14	T.	T.	.12				T.	T.			.09			T.			0.78
Memphis[2]	Mississippi										T	.55			.20				.30				.05				.40				$1.50
Mexico[2]	...do		.07	.03							.32	.63	.05		.25			.10	.28				.35			.57	.28			.45	3.39
Milan[2]	Grand										.30	.36			.10				.35				.10				.08				1 29
Moberly[2]	Mississippi														.03			*	.07				.10			*	.10			T.		
Monroe City	...do		.01								.28				.11			.23					.33			.76	.02					1.77
New Florence[3] 1 mi SE	Missouri	T.	.04								.19	T.		T.	.10			.05			T.	1.06	T			.93		T	.20		2.67
Oregon	...do										.30			.05	.20	.05		.2				T.				.18			.03		1.06
Palmyra	Mississippi		.02								.70				.08		T.	.29					.21				.40				1.73
Paris[2]	...do		.04	T.							.05	.16			.12	.01		.10	.14				.34			.45	.11			.05	1.62
Perry	...do		.06								.22				.10			.23					.47			.45	.46		.12	.05	2.16
Philadelphia[2]	...do																														
St. Charles[2]	Missouri		.19								.02	.38	.01		*	.57							.60			.19	.29			.47		$2.72
St. Joseph[1, 5]	...do						T.				.52	T		.18				.28				.01				.22			.11		1.32
Saverton, Lock No. 22[2]	Mississippi		.09	.01							.16	.54			.19	T.	T.	.01	.17			T.	.62			.11	.51			.02		2.33
Shelbina	...do		.02								.36				T.		T.	.51					.18			.54			.03			1.64
Shelbyville[2]	...do										*	.33			.15			*	.35			*	.35				.45					1.63
Steffenville	...do		T.								.75				.03		.01	.58					.08			.26	.75					2.26
Tarkio	Missouri																														
Trenton	Grand	T.	T.				T.				*	.30			.14	.02		.31					.06			.02						0.85
Troy[2]	Mississippi		.10	T.								.35	T.		.26	T		.01	.03			T.	.12			.17	.28			.19		1.51
Unionville[2]	Chariton										*	.45			.09				.34				.14									1.02
Warrenton	Mississippi		.30								*				.88			.24					.26			.38			.44			2.50
Keokuk, Iowa[1]	...do	T	T.								T.	.46		.05	.09	T.		.29		T.	T.	.20	.02		T.	.90						2.01
Southwestern Division																															
Altona[2]	Osage		.34								.25				.08			*	.32							.76	.30		.31	.71		3.07
Anderson[2] ...1½ mi. sw	Neosho		.25	T.					.48	.42			T.		.55						.10		.13			.52		*	1.28		$3.73
Appleton City	Osage		.35								.35				.20			.20				*	.14			1.30		*	1.00			3.54
Ava Ranger Station[2]	White		.16						.38	.68	T.				.68				.11			.10	.04			.34	.21		1.35	.50		4.55
Bakersfield[2]	...do		.06						.55	.71					.50			.26	.59				.35			.25	.50		1.00	.22		5.00
Bolivar	Osage		.50						.01		.24	T		T.	.47			.14			.02	T	.03			T.		.01	1.22	.01		2.45
Boonville[2] (A)	Missouri		.03								.08				.35			.25	.29				.20			1.00	.20		.02	.50		2.92
Boonville[2] (B)	...do		.05								.08	.40	T		.31	T.		.12	.39				.23			.55	.73			.54		3.40
Buffalo[2]	Osage		.22	T.							.10				.51			.16				.08				.21			.65	1.01		2.94
Butler[2]	...do		.38												.15			.18	T.				.13			*	.97		.46	.87		$3.14
Caplinger Mills[2]	...do		.37	T.							.35	T.			.50			.07	T.			.22				.89	T		.18	.91		$3.49
Carthage	Neosho		.23						.65		.15				.40			.03			.09		.08			.06			1.18			2.93
Clinton[3]	Osage	.20	.11								.25	T.		.18	.05		T.	.41			T.	.25	.05			1.54		.06	.85			3.95
Concordia	Missouri		.04								.10				.23			.64					.04			*	1.17		.42	.18		2.82
Crocker	Osage		.27								.34				.56			.34					.18			.31			1.38			3.38
Eldon[2]	Missouri	.03	.30								.16	.08			.35			.07	.05				.14			.25	.67		.04	.64		$2.78
Eldorado Springs	Osage		.42								.30			T.	.20			.13				.04	.02			1.35	.03	T.	1.36			3.85
Elijah	White		.07						.99	.04					.56			.48			T.	T.	.28			.69	.01		1.56			4.71
Fort Leonard Wood[2]	Gasconade		T	1							T.	T.			.50			.04			T.	T.	.27			T.	.70		.69	.80		$3.00
Galena[2]	White		.17						.58	.62					.53			.14			.17		.06			.59	.01		1.28	.64		4.82
Granby[2]	...do		*	.23					*	1.65					.75						.10					.13			*	1.37		4.22
Hailey	...do		.16						2.11					T	.76			.16			.23					.96			2.39			6.77
Harrisonville[2]	Osage		.10								.05				.15				.34					.06		.54	.06		.19	.52		2.01
Jefferson City[2]	Missouri		.20								.05	.10			.30		.02	.08	.12				.20			.20	.60			.90		2.77
Joplin[1]	Neosho	.15	.15						.97		.14			.43				.10		.12		.03							1.27			3.36
Lakeside[2]	Osage		.31	.02							.19	.11	T.		.37	T.		.08	.02			.02	.12	T.		.59	.18		.09	.75		2.85
Lamar[2]	Neosho		.25							.52	.42				.42			.05					.20						.24	.77		2.87
Lebanon	Osage		.25								.10				.46			.19				.04	.06			.18			1.61			$2.89
Lexington[2]	Missouri		.05								*	.45			.20			*	.42					.10		.03	.05		.07	.25		1.02
Lockwood	Osage		.24						.45		.16				.45							T	.03			T			.88			2.21
Macomb[2]	White		.15	.06						.21					.65			.17			.20		.21	.01		.67	.17		.87	.71		4.11
Marshall	Missouri										.20				.25			.46								.93	.12		*	.50		$2.46
Marshfield[2]	White		.17							.20	.03	T.			.50			.15		.04		.41				.20	.04		.72	.84		$3.37
Mountain Grove	...do		.08	T.					.12		T.	T.			.35			.20			.15	T.	.30			.23	.05		1.83	.02		3.33
Mount Vernon[2]	Neosho		.25						*	.25					.65			.08			.08		.28			.09			.80	.75		3.24
Neosho	...do		.24						1.47		T.	T.		T.	.53		T.	.06			.11		.53			.26			1.40			4.60
Nevada	Osage		.45								.30			T.	.25			.12				T.	T.			1.70		T.	1.20	.03		4.05
Osceola[2]	...do		.32								*	.35			.20			*	.10				.06			*	1.30		*	1.21		3.63
Ozark Beach[2]	White		.16						.56	.89					.55			.30			.09		.06			.42	.03		1.17	.57		4.80
Pierce City[2]	Neosho		.20	T.					.83	.42					.63			.06					.45			.19			.95	.50		4.23
Pineview Lookout[2]	White		.16						1.60		T.	.02			1.86			T.			T.	.16	.10			.50			1.40	.58		6.38

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Climatological Data for February 1944—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	44.2	.....	75	24	10	12	1	5.04	.....	1.57	28	5.5	12	5	8	16	s.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	43.0	+ 6.4	74	24	0	12	51	2.79	−0.29	0.67	27	4.0	8	13	7	9	s.	R. A. DeWitt
Popiar Bluff	Butler	339	39	44.5	+ 6.4	76	24	7	12	40	5.30	+2.41	1.65	28	8.0	8	23	1	5	n.	Joe Roehm
Rolla	Phelps	1,202	44	38.9	+ 2.6	72	24†	− 2	12	60	5.16	+3.11	1.83	27-28	11.0	11	6	19	4	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	38.2	+ 3.4	70	22	0	12	107	2.72	+0.09	0.57	21	6.9	8	7	9	13	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	37.0	+ 3.0	71	23	− 2	12	13	2.65	+0.41	0.66	21-22	5.4	9	3	17	9	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	38.0	+ 3.1	71	22	− 1	12	32	2.84	+0.53	0.61	28	7.5	9	8	8	13	nw.	St. Louis University
Salem	Dent	1,173	40	40.8	+ 5.0	73	24†	0	12	43	3.36	+1.08	1.52	27-28	7.0	8	11	9	9	s.	E. E. Martin
Sikeston	Scott	318	37	42.0	+ 4.8	77	24	8	12	47	5.11	+1.89	1.04	28-29	5.5	11	10	8	11	sw.	William B. Seabaugh
Union	Franklin	520	6	41.3	.....	76	23†	− 1	12	27	2.19	−0.01	0.55	14	7.0	7	11	8	10	s.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	8	37.6	.....	70	24†	− 2	12	9	2.43	.....	1.22	27-28	7.5	10	4	11	14	w.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	41.0	.....	74	24	6	12	5	4.99	.....	1.48	27-28	7.0	13	12	9	8	ne.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	40.5	.....	71	26	− 1	12	4	2.58	.....	1.10	28	3.0§	7	8	9	12	n.	William J. Miller
West Plains	Howell	1,005	7	40.2	.....	75	24	4	12†	7	4.52	.....	1.34	27-28	7.0	12	7	8	14	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	39.0	.....	75	24†	4	12†	37	3.30	+0.74	1.36	27-28	5.5	11	8	7	14	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	43.7	+ 5.2	73	24	8	12	73	4.63	+1.41	1.14	28	5.9	11	6	6	17	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**41.3**	**+ 4.8**	**80**	**26**	**− 2**	**12**	..	**4.01**	**+1.35**	**2.43**	**27-28**	**6.2**	**10**	**10**	**8**	**11**	**s.**	
State means	**and extremes**	.....	..	**37.9**	**+ 4.7**	**82**	**24**	**−21**	**12**	..	**3.10**	**+1.03**	**3.13**	**8**	**7.5**	**9**	**10**	**8**	**11**	**nw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Douiphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for February 1944

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	37	35	44	44	41	38	44	42	40	32	22	12	17	30	29	33	36	26	31	38	46	49	48	50	51	56	39	38	34	..	..	37.2
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.058	.026	.000	.071	.105	*	*	.072	.019	.033	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.125	.101	.052	.032	.152	.061	.....	.....	.....	.....
	Mean temperature	37	38	46	45	46	34	40	45	38	32	23	8	16	24	28	34	34	21	28	34	46	54	50	50	54	62	42	38	34	..	..	37.4
	Wind movement ..	37	24	24	36	71	71	42	46	63	84	114	65	31	56	34	32	27	58	65	25	15	64	56	50	29	73	61	71	97	..	..	1,521

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 7)

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 37.9°, or 4.7° higher than the average of the past 57 Februarys. The highest monthly mean was 45.4° at Campbell, and the lowest was 28.0° at Unionville. The highest temperature recorded was 82° at Anderson, on the 24th, and the lowest was 21° below zero at Grant City, on the 12th.

PRECIPITATION

The average for the State, 196 stations reporting, was 3.10 inches, or 1.03 inches more than the 57-year February average. The greatest monthly amount was 8.59 inches at Deering, and the least was 0.75 inch at Grant City. The greatest amount reported in 24 hours, was 3.13 inches at Wilderness Lookout, on the 8th. The average number of days with 0.01 inch, or more, was 9.

Snowfall averaged 7.5 inches, or 2.4 inches more than the 53-year February average. The greatest monthly amount reported was 17.0 inches at Chillicothe.

MISCELLANEOUS PHENOMENA

Fogs.—Heavy, 2d, 3d, 4th, 6th, 7th, 15th, 17th, 20th, 21st, 22d, 24th, 25th.

Glaze.—10th, 11th, 17th, 28th.

Hail.—Light, 11th at Rolla; 25th at Kirksville, St. Joseph, Steffenville, Richwoods, Rolla, Round Spring, and Clinton; 28th at Farmington.

Sleet.—6th, 10th, 11th, 14th, 17th, 19th, 20th, 25th, 28th.

Windstorms.—High winds on several days during the month, but the only damage reported was at St. Louis and vicinity, on the 22d, where some damage occurred to the roof of one building, plate glass windows, street light globes, billboards, traffic signs, and some trees. At Jefferson Barracks a large tent arena was badly damaged. (Amount of damage not reported).

ERRATA

December 1943, page 69: Greatest precipitation in 24 hours, and date, at Vichy should be 0.85 on 9-10th.

January 1944, page 1: Maximum wind velocity and direction and degree days at Springfield should be 34-sw and 890, respectively. Page 2: Mean temperature at New Florence should be 33.2. Page 3: Mean temperature and date of greatest 24-hour precipitation at West Plains should be 36.4 and 27, respectively. Page 6: Mean minimum temperature at Springfield should be 26.8; minimum temperature at West Plains on 21st, 24th, 25th, and 26th should be 29, 41, 48, and 53, respectively, and mean minimum should be 23.8.

Daily Precipitation for February 1944 Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		Total
Southwestern Division—Concluded																																
Pleasant Hill[2]	Osage		.01	.02							.06	*	.09		.15			.30	.30				.08			.20	.20		12	.61		2.23
Roby	Gasconade		.25	T.					.11						.45			.24			.10		.17			.35			1.74	.06		3.49
St. Thomas[2], 2¼ mi SW	Osage		.32								.20	T.			.60			.30	T.				.22	T.		.15	.16		.08	.79		3.12
Sedalia	Missouri		.06								.28	T.			.30			.54					.17			1.66	.12		.45			3.56
Seligman	Neosho		.20						1.27			T.		.40	.40			.81			.23	T.	.15			.25			1.47			5.18
Seymour....3½ mi. NE	White		.12						.20			T.			.40						T.	.25	.40			.40	.32		1.46			3.55
Shell Knob[2]....3 mi. SE	....do		.35						1.96	.30					.56								.17			.19			1.47	.47		6.47
Siloam Sprgs. Lookout[2]	....do									.92					.58			.20								.21			.30			2.21
Springfield[1, 5]...½ mi. E	....do		.12	.04					.23		T.	T.		.50	.05		T.	.08	T.	.01	.05	.12	.05		T	.31		.21	1.39			3.16
Stover[2]	Missouri				.10										.43											1.10	.11			.56		2.30
Sugar Camp Lookout[2]	White																															
Sweet Springs	Missouri		T.	.02			T.				*	.25			.22			.51					.01			1.10	.03		.44	.08		2.89
Tecumseh[2]...¼ mi. W	White		.07	.03					.31	.70					.69		.48	.04								1.00	.05		.55	.02		3.94
Topaz[2]	....do									.38					.60			.34			.06		.11			.30			.82	.71		3.32
Vanzant[2]....3¾ mi. SE	do			.08					.06	.42		T.			.59		.33	T.			.07	.01	.07			.32	.02		.88	.72		3.57
Warrensburg	Missouri	T.	.02								.17				.21			.52								1.37			.70	T.		2.99
Warsaw[2].....(A)	Osage		.29								.29				.40			*	.19			T.	T.			*	1.28		.14	.82		3.41
Warsaw[2].....(B)	....do		.11	.19							.29	.03			.27			.06	.15				.06			1.18	.13		.12	.28		2.87
Wasola	White		.07						1.07					*	.66			.38			.06	.01	.05			.40			2.04			4.77
Waverly[2]	Missouri		T								.10	.17			.14			.15	.30				.05			.15	.35			.20		1.61
Wilderness Lookout[2]	White		.15	T.					2.30	.83		T.	T.		.63			.16		T.	.12	T.	.05		.21		.03		1.43	.50		6.41
Southeastern Division																																
Advance[3].....¼ mile W	St. Francis	.01	.28						.39		.18	T.		.08	.45		T.	.79			.02	.12	.03			1.22		.01	1.52			5.13
Alton..... 10 miles SE	Black		.11						1.08	.10	.02				.80			.71			.02	.03	.14			1.21			1.31			5.56
Annapolis	St. Francis		.10						*	.10					*			.90					.20			.55			*	1.40		3.25
Annapolis[3] 4½ mi. NW	....do		.07	.04						.13		.15	T.		.44	T.		.39	.03		.07	T.	.20	.02		.26	.36		.42	1.15		3.80
Arcadia[2]	....do		.22							T.	T.		T.		*	.45		.02			.25		.35			*	.32		1.55	.18		3.34
Banner[2]	Black		.10									.19			.40				.10				.20			.09	.15		.62	1.20		3.05
Belleview	Meramec		.15								.30	T.			.40			.20			T.		.16			.20			1.20			2.61
Birch Tree....½ mile E	Black		.07						.33	.02					.51			.55								1.17			1.50	.01		4.16
Black..... 9 miles NW	....do		.09						.02		.05	T.			.48			.20			.07	T.	.07			.38			1.76	.14		3.26
Bunker[2]... 4 miles NW	....do		.09	.06						.17		.16			.38	.02		.22	.02		.07	.05	.14	.03		.17	.40		.51	1.30		3.79
Campbell	St. Francis		.06	T			.01		.55	.31	T	.25			.46			1.04			.05	.02	.36			.41	T.		1.95			5.50
Cape Girardeau[2]	Mississippi		.19	T.						.07		.19	T.		.51	.06		.35	.12		.02	T.	.11			T.	1.07		.12	.95		3.79
Caruthersville[2]	.. do		.02	T.			.10		.11	1.32		.15			.38			1.33	.33		.13		.95			.15	.05		.50	1.70		7.22
Centerville[2]	Black		.08	.10						.07		.11	T.		.70			.18	.01		.15		.33	.02		.24	.65		.68	1.12		4.44
Cook Station[2]	Meramec		.16								*	.15	T.		.50			.28			*		*	.30		*	.46		1.22	1.21		4.28
Crane Mountain[2]	St. Francis		.10							.08		.23			.45			.33			.02		.41	.03		.32	.30		.64	.99		3.90
Crystal City	Mississippi		.18								T.				.40			.25					.12			.37			1.05	.22		2.59
Cuba	Meramec		.33								.48	T.			.70			.30			.01		.19			.70			1.38	.40		4.49
Deering[2]	St. Francis		T.						.23	1.55					.40			2.10	.19				2.00			.49	T.		.42	1.21		8.59
De Soto[2]	Mississippi		.15	.02								.21	T.		.40	T.		*	.28				.24			.08	.30		.20	1.21		3.09
Dexter[2]	St. Francis		.13							.70		T.			.68			.47	.42		.08		.28				.68		.22	1.37		5.03
Doniphan	Black		.12						.91	.04	.03	T.			.74			.71				.12	.20			.70			1.70			5.33
East End[2]	Meramec		.10							T.		.15			.35			.46			.08		.05			.10	.08		.66	.61		§2.64
Eastwood Lookout[2]	Black		.05							.66		.08			.63			.45			.12			.11		.83	.05		.65	.45		4.08
Ellington[2]	....do	T.	T	T.						.10		.10			*	.50		.50			.10	T	.20	.15		.10	.60		.50	1.45		4.30
Ellsiuore Lookout[2]	....do			.03						1.40		.50			.55						.15	.10				.33	.60		.55	.70		5.01
Farmington	St. Francis		.10								.01	.09			.30			.20			.01	T.	.12			.22			1.50	.06		2.61
Fisk[2]	....do		.23							.67		.04			.58			.73	.41							.23	.21		.32	1.49		4.91
Fredericktown[2]	...do			.14								.18	T.		.32			.35	.04				.21	T.		.04	.91	T.	1.60			3.79
Gerald[2]	Meramec		.18								T.	.30	T.		.45				T.				.58			.20	T			.60		2.31
Greenville	St. Francis		.11						.32	.02	T.				.37			.60			.01		.15			1.04			1.33	.02		4.00
High Lookout[2]	Black		T.	.03					T	.62		T.	T.		.57	T.		.55	T.		T.	T	.29	.05		.62	.16		.61	.63		4.13
Jackson	Mississippi		.26						.15		.04	.23			.46			.62			.03		.20			.90			1.17	.17		4.23
Jefferson Barracks	Mississippi		.24								*	*	.35		.39			.22				.43				.48			.53	.18		2.82
Jerome[2]	Gasconade		.38								.16	.38			.60			.30			.10		.15			.10	.31		.40	.80		3.68
Koshkonong	Black		.05						1.20	.10		T.	T.		.44			.64			.04		.11			.71			1.21			4.50
Leeper[2]	...do		.27							.44		.08			.68			.47	.01				.30			.48	.19		.73	.71		4.36
Licking ..... 4 miles N	Gasconade		T.						T.		T.	T.			.34			.23					.25			.35			1.47	T.		2.64
Macedonia Lookout[2]	Black		.11	.02						1.19		.01			.43			.65	.02		.03	.02	.14			1.55	.05		.91	.56		5.72
Malden[3]...4 miles NNW	Mississippi		.06			T.			.83		.17	T		.07	.43		.02	.99	T		.01	.20	.12			.57	T.	T.	1.57			5.04
Marble Hill	....do		.17						.18		T.				.40			.31					.24			.48			.67	.34		2.79
Meramec Park[2]	Meramec		.12								.02	.39	T.		.56	T.		.77	.03		T.		.28	T.		.19	.56		.19	.98		§4.09
Morehouse	Mississippi		.05						.26	.19	T.	.09			.55			.91			.04		.41			.88			1.32	.05		4.75
Moselle[2]	Meramec		.18								*	.55			.37			.25					.31			.11	.16		.06	.93		2.92
New Madrid[2]	Mississippi		.05				.03			1.13		.15	T.		.30	T.		1.80	.50		.10		.40	.01			.52		.75	1.25		7.09
Owensville[2]	Gasconade		.60	T.							.01	.21	.06		.36			.06	.01			T.	.23			.22	.15		.05	.65		2.61
Pacific[2]	Meramec		T.								*	.35			.75	T.		.03	.07				.40			.27	.48		.16	.22		§2.65
Parma[2]	St. Francis		.03							1.01			.27		.55	.10		.80	.24				.51			T.	.76		.31	1.49		6.07
Perryville	Mississippi		.20							.15					.31								.59			.64			*	1.67		3.56
Pilot Knob[2]...2 mi. NE	St. Francis		.12									.14			.22			.19			.05		.28			.16	.08		.68	.89		2.81
Poplar Bluff[2]....(A)	Black		T.							.90		T.	T.		.85				.80		T.		.30			.45	.35		.65	1.00		5.30
Poplar Bluff[2]....(B)	....do		.12							.86		.01	T.		.83			.80	.05		.05		.29			.48	.23		.78	.94		5.44
Reynolds[2]	....do		.09	.10						.14		.15			.38	.10		.16					.35	.05		.26	.80		.69	1.00		4.24
Richwoods[2]	Meramec		.15	.02								.25	T.		.65			.23					.25			.16	.70		.28	1.01		3.70
Rolla[2]	....do		.30								.15	.45	T.		.55			.32			.05		.20			.33	.98		.50	1.33		5.16
Round Spring[2]	Black			.21						.06		.05			.40			.23					.17			.27	.89		.67	1.00		3.95
St. Louis City Office[1, 5]	Mississippi	T.	.16								.53	T.		.08	.42			.13				.57	T.			.28		T.	.55			2.72
Airport[3]	Missouri	.07	.24								.40	T.		T.	.26			.07	T.			.65	.01			.42		T.	.53			2.65
St. Louis Univ.[1, 5]	Mississippi	.03	.17								.60	T.			.40			.20				.50	T.			.32	.01		.61	T.		2.84
Washington Univ.[2]	....do		.21	.01								.45			.43			.11	.07				.75			.12	.21		.01	.58		2.95
Salem	Meramec		.22								.10	T.			.40			.36			.14		.14			.48			1.52			3.36
Sikeston[2]	Mississippi		.10				T.			.65		.10			.65			.84	.13		.07		.32				.88		.33	1.04		5.11
Steelville[2]	Meramec		.19									.30	T.		.40			*	.19				.19			.60	.70		*	1.60		4.17
Summersville	Black		.14							.12		T.			.40			.25			.07		.16			.29			1.54			2.97
Union	Meramec		.25								.26				.55			.20					.29			.34			.30			2.19
Valley Park[2]	....do		.14	T.								.33	T.		.32	T.		T	.11				.25			.12	.40		T.	.62		2.29
Van Buren	Black		.05						.45			.14			.58			.60		.05			.13			.51			1.20			3.71
Vichy[3]..... 2 miles NW	Meramec	T.	.03				T.				.25	T.		.16	.12		.05	.19			T.	.10	T.			.28		.12	1.13			2.43
Wappapello Dam[2]	St. Francis		.15	T.						.63		.04	T.		.64	.01		.72	.03		.01		.25			.93	.10		.61	.87		4.99
Weingarten	Mississippi		.18									[illegible]			.40			.33			.10		.17			.30			1.10			2.58
West Plains[3]	Black	T.	.04	T.		T.			.88			T.		.08	.44		.01	.56	T.		.07	.29	.11			.70		.06	1.28			4.52
Williamsville[2]	....do		.13	.05						.60		.12	T.		.63			.60	.03		.04		.20			.70	.35		.45	.89		4.79
Willow Springs[2] 500 ft E	White			.07						.39					.40			.32			.11		.20	.05		.32	.08		.59	.77		3.30
Winona Ranger Sta.[2]	Black		.03	.01						.35		.09			.47			.58			.15	T.	.26			.65	.15		.75	.57		4.06
Zalma.....3½ miles S	Mississippi		.17						.21	.06		T.			.46			.55				.01	.02			1.71			1.35	.03		4.60
Cairo Ill.[1, 5]	....do		.08			T.			.43		.17	.06			.56		T.	.86	T.		.06	.37	.07			.83			1.14			4.63

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage.

Daily Temperatures for February 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..	Mean
Northern Division																																	
Brunswick /	Maximum...	45	49	50	59	53	51	60	46	46	30	13	14	31	38	28	47	36	22	38	50	51	55	66	65	66	48	43	38	45	..	..	44.2
	Minimum ...	24	23	33	26	26	18	19	32	25	23	13	− 8	−10	13	15	15	26	7	6	19	28	35	28	29	32	42	29	30	26	..	..	21.5
Chillicothe /	Maximum...	43	52	49	60	47	50	55	46	45	26	11	33	33	35	26	38	34	21	38	49	47	48	59	64	64	44	42	39	45	..	..	42.9
	Minimum ...	23	23	32	27	27	17	20	30	21	22	6	−14	−13	18	9	10	24	− 1	1	16	28	34	27	28	31	42	32	33	23	..	..	19.9
Columbia	Maximum...	48	47	48	60	56	50	58	42	47	37	24	14	32	37	28	47	37	27	42	50	52	61	69	67	67	60	43	40	44	..	..	46.0
	Minimum ...	24	40	34	27	27	20	39	32	27	24	1	− 5	10	22	17	27	21	10	20	31	37	36	32	35	55	37	32	31	27	..	..	26.6
Fayette	Maximum...	47	47	48	60	51	48	58	53	51	41	25	18	32	38	35	44	41	29	42	52	52	58	67	66	66	63	47	40	44	..	..	47.0
	Minimum ...	22	40	31	26	37	17	34	33	27	24	9	− 8	3	20	13	22	29	7	19	19	31	45	27	31	50	40	29	32	24	..	..	25.3
Grant City	Maximum...	40	53	50	60	55	51	53	49	44	37	25	12	34	39	31	37	32	20	34	45	42	44	52	60	62	62	38	38	46	..	..	42.9
	Minimum ...	18	30	29	23	27	12	34	28	20	22	− 4	−21	− 4	21	2	18	18	− 7	10	13	27	36	24	26	41	37	30	33	19	..	..	19.4
Hannibal	Maximum...	41	46	47	56	55	43	52	39	41	33	25	15	31	36	28	42	38	22	37	45	47	59	65	59	61	62	42	38	42	..	..	43.0
	Minimum ...	19	34	31	26	22	14	35	28	21	22	− 4	−12	− 2	21	9	20	19	3	15	22	29	31	27	30	44	36	31	31	24	..	..	21.6
Kansas City Airport.	Maximum...	45	59	50	61	53	55	59	51	46	39	19	13	32	36	25	37	40	21	38	54	54	56	63	69	73	61	39	38	46	..	..	45.9
	Minimum ...	26	36	32	30	27	23	36	35	27	19	0	− 5	9	23	18	24	14	6	18	25	37	36	33	34	49	37	32	30	24	..	..	25.3
Kirksville	Maximum...	40	48	48	56	54	44	52	49	41	36	24	12	33	35	31	38	36	26	37	45	44	49	57	58	63	61	43	42	44	..	..	43.0
	Minimum ...	19	36	28	26	30	15	37	27	19	23	6	−14	− 1	23	8	19	26	− 2	14	20	30	40	28	27	42	41	33	32	22	..	..	22.6
Lawson	Maximum...	46	51	49	60	55	65	59	47	46	40	26	22	30	38	30	40	38	33	40	48	45	62	62	66	71	61	40	38	46	..	..	46.7
	Minimum ...	22	37	30	27	35	16	32	30	24	24	4	−16	− 1	22	13	20	32	− 1	15	20	32	41	28	30	44	36	27	32	22	..	..	23.3
Louisiana /	Maximum...	45	47	55	58	56	53	55	42	43	29	28	15	32	35	33	45	37	24	36	46	52	63	69	61	63	55	45	39	42	..	..	44.9
	Minimum ...	21	20	..	..	..	..	..	30	24	22	18	− 9	− 9	− 9	9	11	24	9	9	18	26	35	27	28	33	49	33	31	28	..	..	[a]19.9
Macon /	Maximum.	42	45	48	59	52	46	56	40	53	26	15	15	30	36	29	47	37	23	38	48	53	55	63	61	63	45	43	38	45	..	..	43.1
	Minimum ...	20	21	31	25	26	15	17	29	21	23	10	−14	−13	14	8	8	25	2	2	16	30	37	25	26	30	42	32	33	24	..	..	19.5
Maryville	Maximum...	36	51	46	59	56	51	50	47	42	34	21	11	34	34	26	35	29	17	34	44	40	44	48	57	61	59	37	36	42	..	..	40.7
	Minimum ...	22	30	27	26	27	12	32	28	19	21	− 6	−20	− 2	20	7	17	17	− 8	11	15	30	33	25	28	38	35	28	32	20	..	..	19.4
Mexico /	Maximum...	49	47	49	60	56	50	57	41	46	30	21	20	33	41	33	47	39	26	44	52	54	62	69	68	69	52	43	38	45	..	..	46.2
	Minimum ...	21	23	32	27	28	17	18	28	25	25	16	−10	−12	5	14	15	28	8	9	19	22	34	28	30	31	43	29	33	25	..	..	21.1
Moberly /	Maximum...	..	..	..	..	..	..	..	..	..	..	16	16	31	31	29	44	36	23	38	47	53	56	61	63	66	42	42	37	44	..	..	....
	Minimum ...	..	..	..	..	..	..	..	..	..	..	..	−10	− 7	15	10	12	27	7	9	18	32	36	27	31	31	41	28	30	25	..	..	....
Oregon	Maximum...	40	55	50	62	57	56	55	48	46	38	23	17	35	35	27	34	32	20	37	50	45	48	52	62	65	66	42	39	46	..	..	44.2
	Minimum ...	25	34	30	32	27	18	35	30	22	22	− 4	−15	5	19	11	12	19	− 5	12	23	37	36	28	32	47	36	30	31	22	..	..	22.4
St. Charles /	Maximum...	49	47	55	65	51	65	61	41	50	35	35	21	33	26	38	46	40	29	40	51	56	71	69	63	72	68	49	39	45	..	..	48.6
	Minimum ...	23	24	37	28	29	26	21	33	27	22	21	− 2	− 2	12	− 2	18	26	16	15	18	33	34	30	30	35	51	34	35	28	..	..	24.1
St. Joseph	Maximum...	42	54	49	62	54	56	57	50	43	35	15	13	34	34	24	34	34	20	36	50	49	50	55	65	68	61	38	39	47	..	..	43.7
	Minimum ...	26	40	34	32	22	20	37	32	21	15	− 4	−10	8	20	16	22	9	0	17	24	36	32	31	33	50	33	32	30	26	..	..	23.7
Trenton	Maximum...	40	51	51	59	53	49	54	48	40	38	22	16	32	36	30	35	34	22	35	47	46	47	55	61	64	60	41	41	45	..	..	43.2
	Minimum ...	21	37	21	25	35	11	34	31	22	22	11	−14	2	21	10	20	21	− 2	15	22	27	38	26	28	44	40	32	34	22	..	..	22.6
Unionville /	Maximum...	40	45	50	65	56	47	55	42	41	34	14	12	32	38	25	35	35	25	35	45	44	48	55	55	67	48	44	38	46	..	..	41.9
	Minimum ...	17	12	28	22	22	12	5	25	20	13	5	−16	−15	− 7	5	3	20	− 5	− 7	10	20	26	25	25	27	40	30	30	20	..	..	14.2
Warrenton	Maximum...	44	46	48	57	58	47	58	44	44	38	27	12	32	34	40	46	42	34	42	47	55	65	70	67	67	72	49	36	38	..	..	46.9
	Minimum ...	22	37	37	27	40	17	32	32	26	27	12	− 6	7	22	15	27	32	11	16	28	32	47	29	33	43	49	30	31	24	..	..	26.9
Keokuk, Iowa	Maximum...	39	47	46	57	53	39	48	40	38	31	20	12	30	34	25	39	35	19	35	44	47	51	58	57	59	62	41	37	39	..	..	40.8
	Minimum ...	21	33	31	28	20	16	30	29	23	20	− 7	−11	4	19	11	22	13	3	17	22	29	34	33	31	44	38	34	32	25	..	..	22.2
Southwestern Division																																	
Clinton	Maximum...	48	50	53	62	53	52	60	52	52	43	26	21	32	40	35	54	40	31	44	55	55	58	67	71	73	60	43	39	40	..	..	48.6
	Minimum ...	25	38	30	27	30	22	35	34	30	25	4	− 2	14	23	21	29	19	12	22	31	35	38	33	33	54	39	31	31	24	..	..	27.1
Eldon /	Maximum...	51	42	50	63	56	52	66	48	51	34	20	19	33	29	35	40	39	32	34	55	60	62	70	71	73	60	46	38	37	..	..	47.1
	Minimum ...	27	25	38	29	29	21	19	38	29	28	20	2	− 2	18	19	18	28	15	13	21	32	33	31	30	33	45	32	30	25	..	..	25.0
Harrisonville /	Maximum...	44	52	54	61	50	54	60	48	49	34	20	24	32	41	31	49	35	30	42	56	57	58	69	73	50	56	39	34	42	..	..	46.3
	Minimum ...	25	26	32	29	31	20	24	35	26	28	8	− 6	− 6	21	20	21	30	7	9	22	31	41	33	32	34	33	29	30	20	..	..	23.6
Jefferson City /	Maximum...	48	46	48	58	53	40	49	41	40	31	21	17	32	38	34	42	37	31	35	52	60	65	64	66	66	57	45	38	40	..	..	44.6
	Minimum ...	27	27	37	31	29	19	22	36	29	29	20	− 3	− 3	17	19	19	27	14	14	21	33	35	32	32	34	53	31	31	25	..	..	25.4
Joplin	Maximum...	54	50	53	63	58	52	62	54	55	57	29	24	32	39	41	47	41	35	41	52	58	62	68	76	75	64	48	46	46	..	..	51.1
	Minimum ...	31	44	28	34	40	28	46	41	33	29	16	6	20	24	22	36	27	19	30	36	42	52	46	44	62	43	39	35	30	..	..	34.3
Lamar /	Maximum...	50	46	55	63	52	51	62	46	54	58	28	25	32	41	36	46	42	36	46	54	56	60	66	75	74	56	44	41	47	..	..	49.7
	Minimum ...	22	23	32	26	28	24	24	36	28	28	17	2	2	21	13	13	32	14	14	26	34	42	34	34	34	40	33	33	25	..	..	25.3
Lebanon	Maximum...	53	51	51	61	58	51	62	60	53	59	37	23	32	37	41	46	40	36	44	53	50	62	68	75	74	71	60	46	42	..	..	51.7
	Minimum ...	24	40	36	28	45	20	38	43	26	36	16	− 1	18	21	7	27	33	15	19	31	34	48	35	35	56	50	31	31	21	..	..	29.6
Lexington /	Maximum...	44	51	53	61	47	54	62	49	47	30	16	27	32	40	29	45	43	24	41	54	54	61	67	70	68	52	41	36	49	..	..	46.6
	Minimum ...	25	27	32	31	36	19	32	31	24	24	9	− 9	− 7	23	17	17	28	5	10	10	33	38	31	31	35	40	29	34	24	..	..	23.4
Marshall	Maximum...	48	51	50	59	60	53	58	57	48	47	26	13	33	38	37	47	45	33	40	50	53	57	64	67	66	64	59	50	44	..	..	48.9
	Minimum ...	25	41	33	30	40	19	36	34	26	25	11	− 8	4	24	12	23	32	8	18	26	33	48	31	32	51	40	33	30	26	..	..	27.0
Mountain Grove	Maximum...	53	49	52	58	61	53	66	62	53	69	58	24	29	35	41	44	42	39	47	51	50	63	66	73	75	71	53	50	44	..	..	52.8
	Minimum ...	25	39	39	29	43	22	37	41	29	37	19	1	12	20	14	15	33	20	20	31	35	45	40	45	56	53	33	32	27	..	..	30.8
Neosho	Maximum...	57	55	54	64	62	55	64	61	54	61	52	29	33	41	43	47	46	40	46	55	57	62	70	78	75	72	59	50	49	..	..	54.9
	Minimum ...	23	43	34	24	48	22	35	45	33	45	20	8	17	24	9	32	37	22	27	36	34	54	37	34	56	46	32	33	30	..	..	32.4
Nevada	Maximum...	51	50	55	62	56	53	61	59	54	55	30	24	32	44	41	51	46	35	41	56	54	61	67	75	75	75	51	42	47	..	..	51.9
	Minimum ...	24	42	33	28	40	24	36	43	30	29	13	1	11	23	23	30	35	14	25	34	36	51	36	34	55	38	33	32	26	..	..	30.3
Sedalia	Maximum...	47	48	50	62	61	51	60	56	49	48	28	17	33	39	38	48	47	33	40	55	53	57	67	70	72	68	54	41	41	..	..	49.4
	Minimum ...	21	40	30	27	42	18	36	36	27	28	10	− 6	10	19	15	25	33	9	19	27	32	47	32	33	52	38	29	31	20	..	..	27.0
Springfield ..½ mile E	Maximum...	52	48	52	61	57	55	62	51	52	60	25	24	27	36	37	43	41	37	45	52	52	62	66	73	72	61	48	43	44	..	..	49.6
	Minimum ...	26	41	33	27	34	23	37	34	30	24	9	1	18	19	7	28	25	19	25	34	37	42	37	39	57	40	35	31	26	..	..	28.9
Warrensburg	Maximum...	48	50	51	59	60	50	58	59	47	48	30	19	31	37	38	45	45	32	40	52	52	55	65	67	68	69	55	41	38	..	..	48.6
	Minimum ...	25	41	34	34	42	20	35	36	27	27	10	− 4	12	22	20	25	32	10	20	22	36	41	32	32	52	39	31	32	24	..	..	27.9
Southeastern Division																																	
Arcadia /	Maximum...	53	48	59	65	69	54	65	48	55	51	30	21	35	37	41	49	43	45	49	49	60	66	69	73	72	71	58	45	46	..	..	52.6
	Minimum ...	22	21	39	29	25	24	22	30	30	29	24	− 1	0	9	7	9	19	22	24	19	20	21	30	28	36	55	34	35	28	..	..	23.8
Birch Tree .. ½ mile E	Maximum...	53	48	52	60	64	54	68	59	56	58	53	23	33	38	45	49	48	41	58	..	..	..	..	..	68	70	68	55	47	..	..	[a]52.8
	Minimum ...	21	40	31	23	43	23	27	41	34	32	20	3	10	23	6	17	35	22	32	..	..	..	..	..	..	35	34	33	30	..	..	[a]26.7
Caruthersville /	Maximum...	52	52	63	61	66	51	64	47	55	56	33	26	35	42	47	53	53	37	50	52	61	69	70	73	75	69	60	49	45	..	..	54.0
	Minimum ...	27	30	40	31	33	34	33	37	34	34	29	13	15	18	24	25	32	26	30	30	36	40	39	40	55	59	45	44	33	..	..	33.7
Crystal City	Maximum...	51	49	57	64	65	51	67	60	53	52	37	26	37	36	38	48	46	40	45	48	56	74	71	70	73	72	70	49	40	..	..	53.3
	Minimum ...	20	39	40	26	45	21	32	35	29	32	22	1	9	25	14	24	34	21	20	30	26	51	29	33	49	58	33	33	29	..	..	29.7
Doniphan	Maximum...	55	51	64	62	69	65	69	54	57	59	54	29	36	43	46	50	60	59	53	56	60	75	71	76	74	80	70	61	52	..	..	59.0
	Minimum ...	20	41	36	22	39	30	29	41	33	34	26	8	10	26	7	22	37	29	25	35	28	50	29	41	52	53	35	38	33	..	..	31.3
Farmington	Maximum...	51	48	55	60	64	53	63	56	50	49	49	21	35	35	42	47	45	39	44	48	55	67	68	71	70	70	63	47	35	..	..	51.7
	Minimum ...	24	38	40	29	43	29	37	35	28	31	20	− 2	8	22	15	25	35	20	18	32	30	47	31	37	50	54	33	31	26	..	..	29.6
Jackson	Maximum...	57	54	59	57	62	62	64	62	53	53	51	28	34	38	40	46	50	48	48	50	54	69	69	70	70	69	69	52	51	..	..	54.8
	Minimum ...	23	39	43	26	40	25	35	38	30	34	24	3	10	26	13	26	36	25	22	33	28	50	31	43	42	55	38	38	31	..	..	31.3
Poplar Bluff	Maximum...	53	52	63	61	67	65	66	55	55	57	53	27	36	43	46	51	55	49	50	55	57	73	71	76	75	70	60	55	48	..	..	56.7
	Minimum ...	23	40	36	38	41	35	51	40	33	34	23	7	11	26	11	22	36	31	25	36	29	48	32	42	50	50	37	37	33	..	..	32.3
Rolla /	Maximum...	51	47	52	62	63	54	62	48	51	52	23	22	33	38	41	48	39	33	43	53	60	67	70	72	72	63	50	37	38	..	..	50.0
	Minimum ...	26	28	38	32	34	21	29	40	30	32	18	− 2	0	21	18	20	31	18	18	22	32	41	31	37	40	54	32	36	27	..	..	27.8
St. Louis	Maximum...	48	49	49	59	60	48	57	42	48	35	25	16	32	34	33	48	40	28	38	46	52	70	67	64	69	68	48	40	39	..	..	46.6
	Minimum ...	29	39	40	34	32	23	42	35	31	25	6	0	14	24	21	28	26	17	19	33	36	43	36	38	53	43	36	31	28	..	..	29.7
Salem	Maximum...	51	48	53	62	62	53	64	57	52	53	46	22	33	37	43	46	44	38	48	50	51	65	69	73	73	66	63	49	38	..	..	52.3
	Minimum ...	21	39	38	21	41	21	35	38	28	35	19	0	11	22	5	25	35	20	18	32	30	47	31	34	55	52	33	32	29	..	..	29.4
Sikeston /	Maximum...	53	51	63	67	68	51	69	44	56	55	32	35	35	41	43	49	53	38	49	52	60	73	71	77	69	71	58	44	43	..	..	54.1
	Minimum ...	26	27	40	28	29	28	31	35	32	32	27	8	9	19	17	16	28	28	25	25	30	33	38	38	53	53	39	40	31	..	..	29.8
Union	Maximum...	51	53	58	66	63	52	63	60	50	48	28	27	41	40	40	56	46	44	44	55	59	71	76	71	75	76	69	57	42	..	..	54.9
	Minimum ...	19	39	38	22	46	18	36	32	24	31	19	− 1	8	24	9	18	32	16	18	29	31	49	26	29	42	57	30	32	29	..	..	27.7
West Plains	Maximum...	53	51	57	60	55	56	66	45	53	60	30	27	30	39	43	46	50	38	50	52	51	68	68	75	74	70	55	44	49	..	..	52.6
	Minimum ...	24	41	30	24	39	25	31	37	32	28	12	4	13	11	4	17	34	23	24	30	30	38	31	36	50	42	34	35	28	..	..	27.8
Cairo, Ill.	Maximum...	50	51	59	58	64	47	64	47	58	53	36	24	33	39	41	49	49	40	51	49	57	70	68	73	70	69	57	46	41	..	..	52.0
	Minimum ...	30	41	42	34	44	30	38	39	34	36	20	8	15	27	20	31	38	29	27	35	33	52	41	56	59	57	43	35	32	..	..	35.4

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis, 4-4-44—1000.

UNM
V.48
No.3

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII MARCH 1944 No. 3

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GENERAL SUMMARY

From an agricultural viewpoint the month was decidedly unfavorable and at the close, seasonal farming activities were two to three weeks late. The cool wet weather, which prevailed throughout most of the month, delayed plowing and planting operations, but was favorable for wheat and other winter crops and grasses and these made satisfactory progress. Less than one-half of the intended oat acreage had been sown at the close of the month in the southern half of the State, while in the northern half very few oats had been sown. Some early gardens, potatoes, and other truck crops were put in during the mild weather around the middle of the month, particularly in central and southern sections, but in northern areas very little gardening was accomplished. Frequent heavy frosts and freezing temperatures, even as late as the closing days of the month, were a constant threat to early fruit buds, which were unseasonably advanced, and serious damage was reported in some southern areas. Apples and late fruits, however, were believed to be uninjured. A prolonged spell of warm, dry weather was badly needed, as the month closed, to enable farmers and truck growers to put in their early crops and prepare the ground for later plantings of corn and soy beans.

Although the average temperature for the State this month was 2.4° lower than normal, it averaged 1.7° higher than last March. The Northern Division was especially cold this month, averaging 4.3° below normal, while the Southwestern and Southeastern Divisions averaged 2.7° and 2.0°, respectively, lower than their respective normals. The 14th was generally the warmest day of the month, with afternoon readings ranging from the 60's, in the extreme north portion, to the low 80's at a few stations in central and southern portions of the State. The 8th and 9th were generally the coldest days of the month, with minimum temperatures ranging from 6°, on the northern border, to the middle 20's, in the extreme southeastern counties. Extremes of temperature this month have been exceeded numerous times in past years. Mild to warm periods were 2-3d, 11th, 14-17th, and 23d-24th, with cool to cold periods on 1st, 5-10th, 12-13th, 18th-21st, and the last week of the month.

Precipitation, for the State, averaged 3.78 inches, or only 0.61 inch more than the 57-year March average. However, the frequency of the precipitation was the unfavorable feature, 0.01 inch or more occurring on an average of 12 days during the month, which is 4 days more than normal for March. Rather heavy to excessive rain occurred on 14-15th at most stations in the Northern and Southwestern Divisions, resulting in some overflow of smaller streams, particularly at Chillicothe, on the Grand River, and at Sweet Springs, where the Blackwater River inundated lowlands, and highways No. 40 and 127, from the 15th to 18th. The average precipitation, and departure from normal, for the Northern Division was 4.10 inches, +1.61 inches; for the Southwestern Division 3.85 inches, +0.77 inch; for the Southeastern Division 3.39 inches, −0.56 inch. Although the frequent showers, together with alternate thawing and freezing, especially in the central and northern portions, kept the ground too wet to work during much of the time, the month's precipitation materially improved the deficiency of sub-soil moisture, which was quite low at the beginning of the month.

(Continued on page 15)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity § 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.55*	9	29.46*	4	9.6	24	nw.	4	78*	63*	66*	47	762
Kan. City Airp't.	30.56	9	29.49	5	12.8	35	nw.	7	78	64	64	56	801
St. Joseph	30.57*	9	29.51*	5	11.3	32	nw.	7	81*	68*	67*	42	877
St. Louis	30.56*	9	29.45*	4	13.8	38	nw.	6	72	57	63*	50	735
Springfield	30.50	9	29.51	6	14.8	41	w.	7	82	69	70	53	687
Cairo, Ill.	30.53	9	29.50	6	10.8	29	nw.	7	79	59	..	61	546
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	..

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR MARCH

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	38.5	90	1	3.90	4.13	4.37	3.19	....	10	..	..	..
1889	44.3	84	13	2.22	1.26	3.37	2.02	....	5	..	..	..
1890	37.3	79	−11	3.51	2.00	2.40	6.12	5.7	8	..	..	..
1891	36.6	78	−11	2.66	3.03	2.26	2.68	7.1	10	..	..	..
1892	38.9	87	5	2.98	3.31	3.46	2.18	....	8	8	10	13
1893	40.5	86	0	2.92	2.49	2.71	3.57	3.2	7	11	10	10
1894	47.7	89	2	3.22	2.29	2.95	4.43	0.2	6	15	9	7
1895	42.4	98	0	2.36	1.49	2.39	3.21	4.4	9	14	7	10
1896	39.2	82	2	2.22	1.15	2.04	3.47	5.2	8	11	9	11
1897	44.2	82	− 5	6.73	4.38	5.62	10.18	1.0	12	9	9	13
1898	44.7	83	9	7.44	5.26	6.42	10.63	0.6	11	11	7	13
1899	37.4	78	− 8	2.92	3.19	2.34	3.23	8.9	10	9	11	11
1900	40.4	88	− 4	1.52	1.43	1.35	1.79	0.2	6	15	9	7
1901	42.7	85	− 1	3.77	3.33	4.21	3.77	1.8	8	11	8	12
1902	45.3	85	1	3.71	2.50	4.64	3.99	0.8	9	10	10	11
1903	46.8	81	9	3.62	2.84	4.17	4.34	1.1	8	13	7	11
1904	44.8	87	8	4.55	3.54	3.13	6.98	1.2	9	11	9	11
1905	50.3	88	10	3.15	2.27	3.36	3.83	T.	8	11	8	12
1906	34.6	75	− 5	3.98	2.63	3.12	6.18	8.6	11	6	7	18
1907	53.9	95	16	2.76	2.54	3.05	2.70	1.0	7	14	7	10
1908	50.1	89	14	2.98	1.38	3.33	4.22	1.0	7	14	7	10
1909	44.5	81	9	3.03	2.24	2.01	4.83	0.6	6	13	9	9
1910	55.8	96	15	0.77	0.26	1.00	1.05	0.1	2	20	7	4
1911	46.8	91	5	1.72	1.71	1.84	1.62	1.4	6	16	8	7
1912	35.2	89	− 4	4.69	3.69	5.25	5.12	16.5	11	12	6	13
1913	40.6	84	−12	4.64	3.44	4.52	5.95	5.0	9	12	8	11
1914	43.2	87	− 2	2.76	2.80	2.89	2.59	4.7	8	13	7	11
1915	36.4	70	6	1.45	1.20	2.01	1.15	7.9	6	7	8	16
1916	47.0	95	− 2	2.55	2.48	3.20	1.98	3.1	7	14	8	9
1917	45.2	86	− 7	2.69	2.70	2.80	2.57	1.5	7	15	7	9
1918	50.9	95	8	1.02	0.46	1.55	1.06	0.1	4	18	6	7
1919	46.3	90	− 2	2.40	2.27	1.44	3.49	0.7	6	15	8	8
1920	44.6	86	− 6	5.12	4.60	5.37	5.40	1.4	8	15	6	10
1921	51.9	90	11	5.06	3.52	5.32	6.34	0.5	10	13	9	9
1922	45.6	80	3	6.39	4.89	6.78	7.51	2.2	12	11	6	14
1923	40.4	83	−11	4.23	3.53	3.64	5.52	2.3	8	14	6	11
1924	38.4	80	8	2.54	2.52	2.40	2.71	9.4	8	8	8	15
1925	47.7	86	− 5	1.94	1.77	1.98	2.07	0.8	5	17	8	6
1926	39.6	83	8	2.87	2.15	2.82	3.63	7.0	8	13	6	12
1927	45.9	80	0	5.93	4.08	6.88	6.83	3.7	11	12	8	11
1928	46.3	89	10	1.61	1.00	1.58	2.24	2.4	5	15	9	7
1929	48.6	97	11	3.33	2.99	3.13	3.88	T.	8	12	8	11
1930	43.2	80	6	1.38	1.19	0.91	2.04	1.4	4	18	6	7
1931	39.5	70	10	3.18	2.57	3.05	3.91	8.8	8	11	7	13
1932	38.3	81	− 2	1.99	1.39	1.62	2.96	2.8	7	12	9	10
1933	44.1	87	5	3.61	3.05	2.79	4.99	2.0	10	11	8	12
1934	41.2	82	− 3	2.55	1.53	2.10	4.03	4.9	7	13	8	10
1935	50.4	87	8	5.76	2.46	5.10	9.73	0.7	9	10	10	11
1936	49.4	84	13	1.27	0.82	1.00	1.98	T.	5	16	9	6
1937	40.4	77	6	1.66	1.27	2.15	1.56	2.8	6	12	8	11
1938	53.6	90	14	4.98	3.73	4.42	6.79	T.	12	13	7	11
1939	47.1	89	− 4	3.08	3.33	2.20	3.70	0.2	8	15	7	9
1940	43.1	89	0	2.44	2.07	2.43	2.83	4.0	8	9	9	13
1941	40.5	78	7	0.78	0.86	0.76	0.72	3.4	5	13	9	9
1942	45.8	84	8	2.05	2.05	1.48	2.63	0.7	7	12	8	11
1943	39.7	87	−22	2.63	1.41	2.58	3.90	5.0	8	13	9	9
1944	41.4	83	6	3.78	4.10	3.85	3.39	2.7	12	10	8	13
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	43.8	98	−22	3.17	2.49	3.08	3.95	3.0	8	13	8	10

APR 12 1944

NAT. HIST.

Climatological Data for March 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	35.8[a]	.....	63	23	9	9	15	3.78	+2.09	1.63	14-15	3.3§	12	13[a]	4[a]	13[a]	n.	Curtis E. Grace
Bethany	Harrison	916	49	34.4	− 5.9	62	10	9	8	51	3.79	+1.56	2.07	14	2.8	7	11	9	11	ne.	A. S. Cumming
Brookfield	Linn	767	3	36.6	.....	73	24	12	9	3	4.19	.....	2.30	14-15	2.5	8	8	13	10	ne.	G. F. Breen
Brunswick	Chariton	652	63	37.4	− 4.5	74	14	15	9	65	5.59	+2.89	2.86	14-15	8.0	14	12	2	17	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	37.2	.....	66	24	12	9	14	4.92	+2.58	2.12	14-15	3.5	14	4	9	18	nw.	Lockmaster
Chillicothe	Livingston	779	35	35.9	− 5.8	68	10†	12	8†	38	3.18	+0.70	2.10	14	*0.5*	7	15	2	14	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	38.6	− 3.6	71	14	12	9	35	4.44	+1.70	2.05	15	7.5	15	7	6	18	nw.	Dr. A. J. Bradsher
Columbia	Boone	740	54	40.4	− 2.5	77	14	17	8	54	3.81	+0.87	0.85	11-12	5.6	16	8	8	15	w.	U. S. Weather Bureau
Conception	Nodaway	980	55	35.1	− 4.7	60	11	8	8	60	3.42	+1.77	1.54	14-15	0.5	10	4	13	14	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	38.4	− 4.8	64	14	13	8†	41	3.98	+1.72	1.50	14-15	6.5	13	3	12	16	nw.	LeRoy Mindrup
Elsberry	Lincoln	449	13	40.4	− 3.1	78	14	16	9	13	3.06	+0.30	0.58	6	1.5	12	6	18	7	nw.	John Dowell
Fayette	Howard	760	64	39.2	− 2.7	74	14	15	8†	61	4.91	+2.09	2.70	14-15	2.0	14	8	5	18	nw.	Irvin E. Schnell
Fulton	Callaway	818	56	40.6	− 3.5	77	14	16	8†	52	3.09	+0.13	0.70	11-12	3.5	13	14	6	11	w.	Frank E. Hillgartner
Grant City	Worth	1,134	40	35.2	− 6.1	61	10	9	8†	52	3.13	+1.12	1.00	3-4	2.0	13	4	8	19	nw.	Howard Ryholt
Hannibal	Marion	759	52	36.6	− 4.4	75	14	11	9	60	4.74	+2.14	1.79	14-15	6.0	16	7	12	12	nw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	39.2	− 3.5	68	14	15	8	55	5.09	+2.78	2.82	14-15	1.5	12	7	7	17	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	39.8	.....	69	14	14	8	6	5.08	.....	1.86	13-14	1.7	14	6	15	10	n.	University of Kansas City
Kidder	Caldwell	1,020	52	36.1	− 4.7	62	10	10	8	56	3.75	+1.56	1.77	14-15	*3.5*	11	11	6	14	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	36.5	− 3.2	64	24	10	9	62	4.31	+1.37	1.33	14-15	6.2	16	8	4	19	w.	P. O. Selby
Lawson	Ray	1,070	6	37.4	.....	65	14	12	8	6	3.68	.....	1.95	14-15	7.2	15	8	9	14	ne.	Frank G. Gsirein
Louisiana	Pike	469	50	37.6	− 5.9	70	14†	16	8†	63	4.00	+0.53	0.95	11-12	1.0	11	1	25	5	ne.	Stark Bro's Nurseries
Macon	Macon	875	45	35.7	− 6.5	70	14	12	9	51	5.37	+2.53	2.83	14-15	5.9§	16	2	9	20	ne.	John W. Atwell
Maryville	Nodaway	1,169	54	33.1	− 4.8	60	10	7	8	50	3.17	+1.30	1.28	14	5.5	12	8	5	18	nw.	R. B. Montomery
Memphis	Scotland	787	5	34.0	.....	64	24	11	9†	14	4.32	+1.96	2.76	14-15	5.0	12	7	5	19	nw.	John W. Alexander
Mexico	Audrain	800	55	37.4	− 4.6	78	14	11	9	66	8.28	+5.37	1.62	25-26	11.2§	18	10	5	16	nw.	Henry D. Llewellyn
Moberly	Randolph	875	7	36.1	.....	73	14	13	8	7	2.61	.....	....	..	5.0§	13	8	5	18	nw	James G. Carney
New Florence, 1 mi SE	Montgomery	885	1	38.2	.....	77	14	16	8†	2	2.64	.....	0.57	11-12	....	14	4[a]	9[a]	17[a]	w.	U. S. Weather Bureau
Oregon	Holt	1,048	88	36.0	− 3.6	62	23	10	8	88	3.94	+1.98	0.94	14-15	5.5	10	7	10	14	ne.	Miss Mina Wright
St. Charles	St. Charles	520	56	40.6	− 3.9	81	14	15	8†	66	2.82	−0.35	0.70	12	3.0	11	13	11	7	nw.	Martin L. Comann
St. Joseph	Buchanan	957	34	36.6	− 3.9	63	10	13	8	72	3.78	+1.30	1.44	14-15	7.6	14	12	5	14	nw.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	37.6	.....	75	14	13	8	6	5.05	.....	1.53	14-15	6.0§	15	12	5	14	nw.	Lockmaster
Shelbina	Shelby	779	3	38.0	.....	72	14	12	8†	51	5.14§	+2.35	2.27	14-15	6.4	13	10	3	18	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	37.3	− 4.9	69	14	12	9	51	5.31	+2.30	2.68	14-15	3.0	15	7	6	18	w.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	....	.....	..	..	..	..	50	....	.....	....	....	....	..	..	..	..	.....	.....
Trenton	Grundy	822	48	36.9	− 4.2	65	14	12	8†	49	4.00	+1.55	1.44	14-15	4.0	12	6	14	11	n.	W. H. Estes
Unionville	Putnam	1,062	51	32.8	− 6.1	64	11	6	10	51	3.78	+1.28	2.00	14-15	3.5§	9	6	16	9	e.	C. D. Wilson
Warrenton	Warren	816	62	40.3°	− 2.2	78	14	14	9	54	3.89§	+0.71	0.58	11-12	5.0	12	11[e]	3[e]	12[e]	se. [e]	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	36.3	− 2.6	66	24	12	9	72	4.47	+2.09	1.54	14	3.7	16	4	10	17	nw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**37.2**	**− 4.3**	**81**	**14**	**6**	**10**	..	**4.10**	**+1.61**	**2.86**	**14-15**	**4.4**	**13**	**8**	**9**	**14**	**nw.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,060	40	43.1	− 5.7	80	14	19	8†	45	4.10	+0.40	1.72	15-16	*2.0*	10	13	4	14	sw. [d]	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	41.8	− 3.3	75	14	17	8	52	4.69	+1.54	1.75	17-18	3.0	14	10	4	17	ne.	Rolla Brown
Bolivar	Polk	1,071	41	43.4	− 2.9	77	14	17	8	49	3.57	+0.14	1.10	17-18	2.0	12	12	6	13	sw.	Southwest Baptist College
Boonville	Cooper	650	6	36.6	.....	74	14	15	8†	67	4.81	+1.77	2.47	14-15	*2.8*	14	7	12	12	nw.	Boonville Water Dept.
Carthage	Jasper	962	10	46.2	.....	76	14	20	8†	20	3.64	.....	1.29	14-15	*1.5*	8	8	12	11	s.	Carthage W. and E. Plant
Clinton	Henry	786	51	41.0	− 4.0	74	14	17	8	57	4.89	+1.53	1.22	15	2.6	13	9	11	11	n.	U. S. Weather Bureau
Eldon	Miller	934	49	40.0	− 3.6	73	14	11	9	45	3.56	+0.52	0.98	17-18	3.0	11	8	15	8	w.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	41.2	.....	78	14	16	9	3	3.06	.....	....	.....	1.3	6	13	13	5	se.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	37.8	− 3.5	69	14†	14	8	69	4.12	+1.32	1.63	14-15	5.0	11	5	3	23	ne.	John H. Patterson
Jefferson City	Cole	557	54	39.4	− 4.2	76	14	17	9†	62	2.96	−0.10	0.60	18	*2.2*	10	6	9	16	e.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	46.0	− 2.6	75	14	21	8	39	4.37	+1.17	1.98	15	....	8	16	2	13	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	41.0	− 3.6	78	14	16	9†	13	4.11	+1.36	1.56	17-18	5.0	11	11	6	14	ne.	W. S. Frame
Lamar	Bartou	980	56	40.4	− 5.6	72	14	18	8†	63	4.27	+1.08	1.52	18	*2.5*	10	14	5	12	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	43.8[a]	− 1.2	77	14†	16	8	57	2.69	−0.79	1.04	18	*2.3*	13	6	13	12	pw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	38.0	− 5.4	72	15	14	8	60	4.31	+1.53	2.23	14	*4.8*	14	8	15	8	nw	Miss Carrie Loomis
Lockwood	Dade	1,078	38	45.0	− 2.3	77	14	19	8	48	3.29	−0.27	1.15	18	1.5	10	13	9	9	sw.	Hubert A. Nieman
Marshall	Saline	779	57	40.6	− 2.4	79	14	15	8	54	5.60	+2.68	1.90	14-15	3.3§	9	8	8	15	nw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	43.6	− 1.8	76	14	18	8	47	2.59	−1.28	0.65	19-20	*1.0*	11	10	11	10	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	45.0	− 0.9	75	14	18	8	44	4.02	+0.13	1.13	15	*3.0*	12	19	2	10	sw.	James C. Williamson
Neosho	Newton	1,011	57	47.2	− 0.9	78	14	19	20	61	4.13	+0.58	1.55	14-15	1.0	11	9	11	11	ne.	U. S. Fisheries Station
Nevada	Vernon	862	51	44.1	− 0.8	74	14	18	8†	52	3.88	+1.01	1.31	17-18	*2.0*	11	13	4	14	nw.	Henry Kraft
Ozark Beach	Taney	700	4	45.4	.....	79	31	22	8†	19	3.45	+0.26	1.05	18-19	0	11	3	5	23	sw	A. J. Sharp
Sedalia	Pettis	910	31	41.4	− 1.4	78	14	14	20	33	4.33	+1.50	1.45	14-15	5.0	11	13	3	15	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	45.8[a]	− 0.8	76	14	17	8	41	4.60	+1.00	1.60	15	*1.0*	10	14	8	9	s. [a]	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	42.8	− 2.6	75	14	17	8	38	2.66	−1.00	0.78	17-18	1.7	9	13	5	13	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,501	56	42.8	− 0.8	75	14	18	8	56	3.26	−0.13	0.72	15	6.2	13	10	4	17	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	39.6	.....	75	14	12	8	3	4.55	.....	2.17	14-15	2.5	14	11	7	13	w.	H. F. Nelson
Warrensburg	Johnson	878	57	41.2	− 2.8	67	14†	16	8	64	5.86	+2.77	2.95	14-15	*3.0*	12	13[a]	5[a]	12[a]	se. [a]	Central Teachers College
Warsaw	Benton	687	43	44.2	− 2.8	79	14	14	9	49	4.66§	+1.11	1.60	18	2.8§	10	12	7	12	nw.	Dora B. Johnson
Wasola	Ozark	1,294	3	44.4	.....	77	14	18	8	4	3.17	.....	0.85	15	*T.*	13	15	6	10	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**42.4**	**− 2.7**	**80**	**14**	**12**	**8**	..	**3.85**	**+0.77**	**2.95**	**14-15**	**2.6**	**11**	**11**	**7**	**13**	**nw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	45.4	.....	79	14	19	9	7	4.91	.....	0.99	19	T.	13	8	7	16	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	41.8	− 2.8	81	14	14	9	66	3.12	−0.93	0.60	20	1.3	9	11	4	16	w.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	44.7[a]	− 2.6	78	14	18	9	50	2.83	−1.15	0.63	18-19	0.3	12	13[a]	7[a]	10[a]	sw.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	42.8	− 2.2	79	14	11	9	51	2.77	−1.12	0.76	18	2.5	12	11	10	10	nw.	Claude Volner
Campbell	Dunklin	314	18	48.5	+ 0.5	80	15	25	8	18	3.69	−2 23	0.78	3-4†	0.2	13	12	11	8	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	48.4	− 3.0	80	15	25	8†	52	5.23	+0.76	1.80	18-19	*T.*	10	15	3	13	n.	Victor T. Mallouro
Crystal City	Jefferson	420	10	44.6	− 0.6	83	14	16	9	10	3.54	+0.86	0.94	19	5.0	11	15	5	11	n.	Richard K. Ragland
Doniphan	Ripley	344	40	48.9	− 0.1	81	14	20	9	40	2.71	−1.68	0.70	18	*T.*	9	21	5	5	e.	Bayee Lackey
Farmington	St. Francois	896	33	43.7	− 2.8	80	14	16	9	47	2.91	−1.01	0.68	18	1.4	10	12	5	14	nw.	F. M. Karsch
Greenville	Wayne	381	35	45.8	− 1.9	80	14	15	9	37	3.34	−0.92	0.65	18-19	T.	11	14	4	13	s.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	46.0	− 1.2	78	14†	19	9	54	3.89	−0.28	0.95	19	0.5	11	10	3	18	n.	John G. Putz
Koshkonong	Oregon	958	43	46.8	− 2.6	79	14	20	8	44	4.03	−0.07	1.12	18-19	0	10	12	10	9	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	44.1	.....	78	14	13	9	7	2.46	.....	0.97	18	*2.5*	5	17	1	13	s.	U. S. Forestry Service

Continued on next page

Climatological Data for March 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	47.3	.....	79	15	24	8	1	4.16	.....	1.21	26-27	0.1	13	10	7	14	no.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	45.6	− 2.0	79	14	12	9	51	4.42	+0.14	0.82	18	T.	11	15	9	7	s.	R. A. DeWitt
Poplar Bluff	Butler	339	39	47.5	− 1.1	80	14	22	9	40	3.44	−0.92	0.91	18-19	T.	8	21	7	8	e.	Joe Rochm
Rolla	Phelps	1,202	44	41.4	− 4.1	77	14	17	8†	60	3.28	−0.35	0.95	18	2.3	11	5	19	7	se.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	41.2	− 2.9	79	14	18	8	107	2.49	−0.89	0.52	18	2.8	10	7	11	13	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	40.4	− 2.6	81	14	18	8	13	2.71	−0.17	0.52	18	2.2	11	4	15	12	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	41.2	− 3.0	79	14	19	8	32	3.07	−0.27	0.82	19	3.1	14	10	8	13	se.	St. Louis University
Salem	Dent	1,173	40	43.8	− 2.6	78	14	17	9	43	2.90	−0.97	0.89	19-20	2.0	9	12	7	12	s.	E. E. Martin
Sikeston	Scott	318	37	47.0	− 1.6	82	15	21	9	47	5.63	+1.17	1.02	27	0.5	13	11	5	15	s.	William B. Seabaugh
Union	Franklin	520	6	45.0	.....	82	14	13	9	27	2.32	−0.98	0.73	18	2.0	8	14	6	11	w.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	8	41.2	.....	76	14	17	9	9	3.47	.....	1.33	18	2.5	10	7	10	14	w.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	45.4	.....	78	14	22	9	5	3.45	.....	0.73	18-19	T.	13	9	12	10	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	43.8	.....	81	14†	17	9	4	4.12	.....	1.05	26-27	1.0	7	13	11	7	s.	William J. Miller
West Plains	Howell	1,005	7	43.8	.....	78	14	21	8	7	3.17	.....	0.86	15	T.	8	8	8	15	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	41.5	.....	78	13	18	8†	37	2.90	−1.34	0.54	19	T.	9	9	8	14	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	47.5	− 0.2	79	15	25	9	73	5.12	+1.37	1.17	18-19	0.1	16	6	11	14	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**44.7**	**− 2.0**	**83**	**14**	**11**	**9**	..	**3.39**	**−0.56**	**1.80**	**18-19**	**1.1**	**11**	**11**	**8**	**12**	**s.**	
State means	**and extremes**	.....	..	**41.4**	**− 2.4**	**83**	**14**	**6**	**10**	..	**3.78**	**+0.61**	**2.95**	**14-15**	**2.7**	**12**	**10**	**8**	**13**	**nw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. *Italics* data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for March 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	38	42	49	41	40	38	32	30	28	39	46	44	52	58	57	43	48	40	28	32	36	42	48	53	38	34	45	40	32	34	46	41.0
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	*	.041	.090	.002	.000	.033	*	*	*	*	.358	.081	.143	.020	.116	.040	.086	.089	.034	*	*	.322	.036	.123	.206	.034	.068	.128	.044	*	.203	2.225
	Mean temperature	33	42	47	47	38	40	30	26	27	38	48	46	42	56	58	52	47	38	28	32	36	44	48	56	38	46	44	40	34	34	43	41.2
	Wind movement ..	47	31	54	38	79	55	75	87	47	39	68	66	75	43	41	32	33	100	157	114	39	56	31	45	93	82	50	80	73	72	47	1,949

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 13)

Snowfall during March was spotted, being generally moderate to heavy, in the northern half of the State, and mostly light in the southern half. The snows quickly melted and the ground was not anywhere covered for more than a day, or two. Practically all of the snowfall occurred during the latter half of the month, and only traces, as a rule, occurred the first half. At Altona, heavy, wet snow on the 28th broke many telephone poles and lines, thus disrupting service.

An unusual feature of the month's weather was the lack of damaging storms. High winds occurred on several days, but no damage was reported. Only light hail occurred, and was confined to but a few stations. Sunshine averaged only slightly less than normal for the month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 41.4°, or 2.4° lower than the 57-year March average The highest monthly mean was 48.9° at Doniphan, and the lowest was 32.8° at Unionville. The highest temperature recorded was 83° at Crystal City, on the 14th, and the lowest was 6° at Unionville on the 10th.

PRECIPITATION

The average for the State, 199 stations reporting, was 3.78 inches, or 0.61 inch more than the 57-year March average. The greatest monthly amount was 8.28 inches at Mexico, and the least was 1.83 inches at Tecumseh. The greatest amount reported in 24 hours, was 2.95 inches at Warrensburg, on the 14-15th. The average number of days with 0.01 inch, or more, was 12.

Snowfall averaged 2.7 inches, or 0.3 inch less than the 54-year March average. The greatest monthly amount reported was 11.2 inches at Mexico.

MISCELLANEOUS PHENOMENA

Floods.—Flood stages, or above, were reached on the Grand River, at Chillicothe, on 15th to 17th; on the Mississippi River, at Keokuk, Iowa, on 16th to 19th, at Louisiana, on 1st and 2d, 4th to 7th, 15th to 22d, 27th to 30th; at Hannibal, on 16th to 22d; at Grafton, Ill., on 20th to 21st; at Cairo, Ill., on 6th to 16th and on 22d and continuing into April. Also, on Osage River, at Osceola, on 20th to 25th.

Fogs.—Heavy, 6th, 14th, 15th, 16th, 21st, 22d, 26th, 28th, 29th.

Glaze.—4th, 13th, 19th, 20th, 21st, 25th, 26th, 28th.

Sleet.—3d, 4th, 5th, 12th, 13th, 14th, 17th, 18th, 19th, 20th, 21st, 25th, 26th, 28th, 29th.

Windstorms.—High winds reported on several days, but no damaging winds reported.

ERRATA

January 1944, page 2: Prevailing wind direction at Fort Leonard Wood should be N. February 1944, page 8: Total precipitation and greatest amount in 24 hours and date at New Florence should be 1.77 and 0.93 on 25th, respectively; page 10: Precipitation on 21st at New Florence should be .16, total should be 1.77.

Daily Precipitation for March 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand			.25	.50		.30					.15	.10		.30	1.63	.05	T.					.20			.20	.08		T.	.02			3.78
Amity[2]	....do			.02	1.55	.16			T.			.15	.01	T.	1.82	T.		.06	.02			.16			.45	T.	.02		.25	T.		4.67
Bethany	....do			.59			.09								.42	2.07						.25			.30	.07	T.	T.				3.79
Bowling Green[2]	Mississippi				*	.60	.49	.05				.51			.43	.08		.11	*	.08		.15			.10	*	.33		.51			3.44
Brookfield[2]	Grand				.60	T.						.33	*	.50	2.30		T.		T.			.11			.25	T.			.10			4.19
Brunswick[2]	....do				.55	.26	.06		T.			.52	T.	.04	2.86	.04		.15	.10	.02		.06			.33	.08	T.		.52	T.		5.59
Canton, Lock No. 20[2]	Mississippi				.63	.04	.32	.01	T.			.61	T.	.12	2.12	.05		.12	T.			.07			.22	.11	.10		.40			4.92
Centralia[2]	....do				.41	.04	.14					.31			1.61			.06	.04	.03		T.			.18	.16	.07		.37			3.42
Chillicothe[2]	Grand				.71		.07					T.	T.	.14	1.96	T.			T.			.19			.08				.03			3.18
Chillicothe[2]	....do				.66	T	.28		T.			.09	.12	.04	1.96			.06				.05	.02		.06	.07			.01	T.		3.42
Clifton Hill	Chariton			.07	.60		.05	T.				.16	.40	.06	.02	2.05	.03		.13	.10						.36	.09		.17	.15			4.44
Columbia[1, 5]	Missouri			.21	.09		.35	T.	T.			.80	.05	.02	.14	.66	T.	.01	.22	.21		T.	T.		.02	.11	.27		.57	.08			3.81
Conception	....do			.19	1.03	T.	.06	T.				.18	T.	T.	.26	1.28		T.	T.			T.	.17			.15	.06		T.	.04			3.42
Edgerton	....do			.05	.75		.46	T.				.08	.03		.50	1.50			T.	.03		.10	.13			.24	T.		.08	.03			3.98
Edina[2]	Mississippi				.45	T.	.15	T.					.27		.45	2.13	.07		.10	T.			.16			.15	.10	T.		.30	T.		4.33
Elsberry	....do				.48		.58					.50		.10		.05			.23	.25			.05		.08		*	.21		.53			3.06
Elsberry S.C.S.[2]	....do				.32	.12	.52	T.					.53		.08	.18	.02		.17	T.	.32		.05			T.	.16	.18	T.	.46	.09		3.20
Farber[2]	....do				.67		*	.48					.60		.11	.60	.08		.10	*	.20		.10				*	.35		.52			§3.81
Fayette	Missouri				.05	.62		.08	T.			.10	.38	.07	.38	2.32	.02		T.	.12						.12	.25		.30	.10			4.91
Fulton[2]	....do				.22	.02	.47	T.					.70	.09		.28	.01		.35		.30		.05			T.	.04	.09		.47			3.09
Gallatin[2]	Grand			T.	.90		.16						.16	.04	.02	1.60	T.						.04			.30				.09			3.31
Grant City	....do			.23	.71	T.	.18	T.				.10	.02	T.	.40	.97	.03	T.	.01				.17			.03	.18	T.	T.	.01			3.13
Hannibal[1]	Mississippi			.18	.46		.87	T.	T			.53	.20	.02	.50	1.29	.05		.12	.03			.23			.23	.36		.34	.02			4.74
Hannibal[2]	....do				.03	.07	.62	.17	T.				.74		.03	1.78	.36		.12	T	.07		T	.06		.07	.38	.10		.14	T.		4.74
Hermann[2]	Missouri				.20	.04	.45		T.				.52			.28	.09		.38	.11	.40		.06					.15		.33			3.01
Kahoka[2]	Mississippi				*	.25	.08		.03				.08	*	.38	1.33	.16		.02	T.			.05			.08	T.			.20			2.66
Kansas City Airport[1, 5]	Missouri			.86	.42	.08	.01	T.				.05	T	T.	2.00	.86		T.	.13	T.		.21	.01			.15	T		.30	T			5.09
Kansas City University	....do			.84	.39		.06	T.	.04			T.	T.	T.	1.86	.84			.15	.20		.16	.15			*	.13		*	.26			5.08
Kidder[2]	Grand			.01	.92		.31						.15	T.		1.77			.08	.20			.12			.12	.03			.04			3.75
King City	Missouri			.87	.69		.28	T.				.11	.06	.09	.05	1.62			T.				.27			.46	.07		.04	.08			4.19
Kirksville	Mississippi			.01	.66	T.	.20	T.				.20	.13	.08	.84	1.33	.12		.05	.02			.16			.16	.04		.01	.30	T.		4.31
LaBelle[2]	....do				.50	.06	.23	.06	T.				.40	T.	.42	2.35	.10		.14				.16			*	.10	.10		.30	T.		4.92
Lawson	Missouri			.12	.70		.17	T.				.05	.02	.03	.20	1.75			.04	.02		T.	.14			.19	.03		.14	.08			3.68
Linneus[2]	Grand				.90		.22						.20	.01		2.00		.01								*	.10			.05			3.49
Louisiana[2]	Mississippi				.70	.40	.45		T.				.95		.07	.50	T.		.02	T.	.10					.01		.35		.45	T.		4.00
Louisiana[2]	....do				.67	.60	.53	.04					.64	T.	.07	.38	.19		.11	.01	.14		.06			.10	.19	.20		.43	T.		4.36
Lucerne[2]	Grand			.02	.71		.27						.19		.09	1.98	.07		.07				.12	.06		.08		.07		.02	T.		3.75
Macon[2]	Chariton				.76	.10	.15	.02					.46	.01	.16	2.83	.01		.10	.02			.11			.19	.06	.01		.38			5.37
Madison[2]	Mississippi				.51	.24							.50		.05	2.04	.04	.14	.03	.02			.06			.22	.07		.20	.33			4.45
Maryville	Missouri			.27	.60	T.	.18	T.				.18		.05	.45	.89		T.	.08			T.	.18			.11	.11		T.	.07			3.17
Memphis[2]	Mississippi				.50	.03	.10	.07	T.						.04	2.76	.17		.12	T.			.15				.13	.03		.22	T.		4.32
Mexico[2]	....do				.76	.30	.43	.10	.02				.86		.29	1.03	.26		.26	.39	.30		.26			.27	1.62	.38		.73	.02		8.28
Milan[2]	Grand				.50	.08	.32						.28		.22	1.70			.04	T			.12	.22	.04					.12	.04		3.68
Moberly[2]	Mississippi				.08			.05					.08	.04	*	1.64			.11	*	.03	T.				.17	*	.13		.28			2.61
Monroe City	....do				T.	.53	.41	T.				.11	.66	.08		1.98			.14	T.			.12			.31	.23		.11	.28			4.96
New Florence[3, 1 mi SE	Missouri				.25	.11		.31	T.	T.			.45	.12	.07	T.	.22	.01	T.	.30	.19			.07			.04	.10		.37	T.	T.	T.	2.64
Oregon	....do				.45	.50	T.	.22					.20			.85	.94			T	T.		.10	.02			.62	T.		T	.04			3.94
Palmyra	Mississippi				.53	.08		.38					.64	.17		2.18	.04		.07	.01			.09			.20	.19			.24			4.82
Paris[2]	....do				.90	.25			.02				.68	.03	.02	2.05	.12		.12	.02	.03		.05			.19	.08	.20		.36			5.12
Perry	....do				.93		.34							.76	.06	1.68			.08	.10			.11			.26	.42		.05	.26			§5.05
Philadelphia[2]	....do				.55	.07							.65	.19	*	2.20	.05		.08	.02			.10			*	.22			.24			4.37
St. Charles[2]	Missouri		.02	.35									.70		.14		.03		.44	.07	.40						.11	.29		.27			2.82
St. Joseph[1, 5]	....do			.55	.24	.10	.18	T.				.22		.01	.87	.67			.03	.03		.29	.02		T.	.45	T.		.12	T.			3.78
Saverton, Lock No. 22[2]	Mississippi			T.	.48	.29	.41	.05	T.				.72	T.	.03	1.53	.11		.10	T.	.21		.05	T.		.05	.23	.42		.37	T.		5.05
Shelbina	....do			T.	.61		.14	T.	T.			*	.60	.05		2.27	T.		.06	.25			.14			.47	.20		*	.35			§5.14
Shelbyville[2]	....do				.65		.15					.50		.18		2.25							.18				.22						4.13
Steffenville	....do			.04	.73		.31					.05	.46	.10	.09	2.68	T.		.11	T.			.14			.16	.07	.01	*	.36			5.31
Tarkio	Missouri																																
Trenton	Grand			*	1.05		.23	T.				.19		.03	.57	1.41	.05		T	T.			.09			.24	.04		.07	T.			4.00
Troy[2]	Mississippi				.24	.10	.40	.02	T	T			.37		.08	.11	.02		.20	.05	.15		.03				.08	.20		.40			2.45
Unionville[2]	Chariton			T.	.75		.21						.27			1.94	.06						.18			T.	.14	.08		.15			3.78
Warrenton	Mississippi				.49		.57						.58			.19	.03		.50	.50			*			.05	.42		.07	.49			§3.89
Keokuk, Iowa[1]	....do			.17	.10	.02	.16	T.	.01			.60		.44	1.54	.86	T.	.02	.05	T.			.07			.11	.04		.27	.01	T.		4.47
Southwestern Division																																	
Altona[2]	Osage					T.		T.	T.				.29	T.		2.07	.24		1.01	*	.23		.17			T.	T.	T.		.67			4.68
Anderson[2]	...1½ mi. sw Neosho						.47	T.					.34			.50	1.26		.01	.15	.65		.30				.01	T.		.40			4.10
Appleton City	Osage			*	.20			.05				*	.38		*	1.32	T.		1.75	.38		*	.20			.03			*	.38			4.69
Ava Ranger Station[2]	White				.23			.25					.38			.68			.30		*	1.08							.12	.25			3.29
Bakersfield[2]	....do				.34		.44						.62							*	.95								.42	.30			3.07
Bolivar	Osage			T.	.29		.45	T.				.02	.21			.64			1.10	.41	.08		.07			T.	.02		.22	.03			3.57
Boonville[2]	....(A) Missouri				.52	.02	.02						.54	.02	.02	2.47			.12	.03	.05					.20	.03	.35		.42			4.81
Boonville[2]	....(B) ....do				.47	.09	.03		T.				.54	T.	.06	2.35	.08		.11	.07	.08		.01			.20	.03	.42		.46			5.00
Buffalo[2]	Osage				.05		.33						.22			.28	.29		.95	.29	.55						.01			.22			3.19
Butler[2]	....do		.12						.16				.23	.05		1.18	.33		1.90	.51	.22		.15			.04		.09		.78			5.76
Caplinger Mills[2]	....do								.04				.25			.64	.32		1.13	T.	.66		.23				T.	.18		.39			3.84
Carthage	Neosho						.18						.28			1.29			1.05	.08	.40		.04						.32				3.64
Clinton[3]	Osage				.24			T.				.56		.03	.16	1.22	T	.10	1.19	.25		.24	.04			.09	.07		.70				4.89
Concordia	Missouri				T.	.69							.38	.03		2.71	T.		.19	.05			.06			.28	.03			.44			4.86
Crocker	Osage				.07		.30						.26			.30			1.12	.61		.09					.08			.20			3.03
Eldon[2]	Missouri				.06		.49						.48	T.		.09	.05	T.	.98	.55	.28		.01				.07			.50	T.		3.56
Eldorado Springs	Osage			T.	.07		.02	.05					.27	T.	.07	1.22	T.		1.35	.43		T.	.14			.03	.06		.33	.06			4.10
Elijah	White				.06	.22		.20					.19			T.	.84		.10	.95	.12								.15	.36	.25			3.44
Fort Leonard Wood[2]	Gasconade					.70		.34					.47		T.	T.	T.		*	1.00	.55					T.	T.	T		T.			3.06
Galena[2]	White				.06		.43						.22			.46	.61		.49	.12	.91		.11					.08		.25			§3.74
Granby[2]	....do							.38								1.20	.85		.53	.12	.30		.70							.25			4.33
Hailey	....do							T.	T.							1.86	.04		1.26	.09													3.25
Harrisonville[2]	Osage				.58								.20	.02		1.63	.25		.42	.21			.16			.16		.03		.46			4.12
Jefferson City[2]	Missouri				.09		.51	T.					.55			.24			.60	.30	.21						.06	.02		.38			2.96
Joplin[1]	Neosho						.19					.30			.03	1.98			1.00	.37	.15								.35				4.37
Lakeside[2]	Osage				.20	T.	.47		T.				.38	T.	T.	.22	.13	T	1.56	.27	.38		T.				.02	.03		.45			4.11
Lamar[2]	Neosho						.20						.30			.60	.55		1.52	.10	.55		.10					.05		.30			4.27
Lebanon	Osage				.02	.05	.32	T.					.31			*	.50		1.04	.30	.08	T.					*	.05	*	.02			2.69
Lexington[2]	Missouri				.60	.09	.05						.24	.06	T	2.23	.05		.16	.13			.09			.22	.08	.03		.28			4.31
Lockwood	Osage			T.			.22	T.					.15			.84			1.15	.45	.04	.12				T.	.10		.20	.02			3.29
Macomb[2]	White				.50		.22		.02				.27				.43		.33	.12	.74							.08		.25			§2.96
Marshall	Missouri			T.	.37			T.				*	.03	T.		1.90			.08	.90						1.75	T.		*	.57			5.60
Marshfield[2]	White				.35		.38		.03				.34			.22	.52		.77	T.	.59		T.				T.			.32			3.52
Mountain Grove	....do			.32	.03		.33	T.					.32			.05	.22		.42	.52	.13					T.		T.	.02	.23			2.59
Mount Vernon	Neosho						.55						.29			1.13			.82	*	.66	*	.15				*	.02	*	.40			4.02
Neosho	....do			T.			.40	T.					.33			1.55			.53	.30	.30	.02	.21			T.	.02		.26	.15			4.13
Nevada	Osage			T.	.28		T.	T.				T.	.21		.01	1.25			1.31	.28		.03	.03			T.	.02		.35	.11			3.88
Osceola[2]	... do			T.	.40		.07						.25			.85	.18		1.62	.15	.57		.20			.01	.01	.09		.41			4.81
Ozark Beach[2]	White				.10		.47						.25			.05	.94		.23	.21	.84		.09					.10		.17			3.45
Pierce City[2]	Neosho						.47						.25			.63	.30		T.		.62		.19				.03			.32			2.81
Pineview Lookout[2]	White				.05		.41					.23				.52	.84		.34	.13	.15		.20				T.			.27			3.14

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Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Pleasant Hill[2]	Osage				.88	T.	.01		T.				.19	.07	.01	1.68	.18		.64	.98			.22			.21	.03	.05		.29	T.		4.81
Roby	Gasconade			.13	.18		.40	T.					.27			.17	.01		.83	.27	.23						T.	.02	.16	.66			2.78
St. Thomas[2], 2¼ mi. SW	Osage				.14	T.	.39						.32			.09	.08		1.21	T.	.55									.39			3.08
Sedalia	Missouri			T.	.27		.15	T.					.51	.06		1.45	T.		.37	.25			.03			.28	.33			.63			4.33
Seligman	Neosho			T.			.17	T.					.23			1.60			.18	1.50	.10	.11	.23				T		.12	.06	T.		4.00
Seymour....3½ mi. NE	White			.11	.21		.18	T.								.30	.24		.78	.15	.03									.33			2.66
Shell Knob[2]...3 mi. SE	....do				.16		.45						.30			.47	1.06		.64	.27	.85		.21					T.		.07			3.98
Siloam Sprgs Lookout[2]	....do				.32		.29						.10				1.00		.20	.22										.40			2.63
Springfield[1, 5]...½ mi. E	....do			.04	T.		.40	.17				.26	T.	T.		.72	.01	T.	.70	.66	.02	.06				T.	.01		.20	.01			3.26
Stover[2]	Missouri				.22		*									1.34	.09		.98	*	1.13							.07		.59			4.12
Sugar Camp Lookout[2]	White																																
Sweet Springs	Missouri			.01	.60		.02					.08	.31	.03	T.	2.17			.17	.15			.03			.24	.01		.36	.21	T.		4.55
Tecumseh[2]...¼ mi. W	White				.40							.07				.50	.35			.07									1.41			1.83
Topaz[2]	....do				.18		.30	T.					.23				.50		.22	.28	.61		T.					T.	T.	.24			2.56
Vanzant[2]....3¾ mi. SE	do				.21		.40	T.					.26			.61			.26	.68	.25							.09		.27			3.06
Warrensburg	Missouri				.52		T.					T.	.32	.02	*	2.95	.05		.36	.18			.85			T.	.01		*	.60			5.86
Warsaw[2]....(A)	Osago				.12		.10						.33	T.		.71		.21	1.60	.25	.53			.10		T.	T.			.71			§4.66
Warsaw[2]....(B)	....do				.15	.12							.39	.03		.68	.25		1.59	.10	.45		.17				.11			.54			4.58
Wasola	White			*	.13		.42	T.					.33	.03		.40	.45		.20	.76			.05						.15	.25			3.17
Waverly[2]	Missouri				.80	.05	.05						.35		.05	2.10	T.		.20	.17	T.		.05			.24	.07	.02		.60			4.75
Wilderness Lookout[2]	White				.15		.37	T.					.21			.35	.97		.17	*	1.56		.16							.28			4.22
Southeastern Division																																	
Advance[3]....¼ mile W	St. Francis			.68	.02		.32	T				T.	.21			.26	.10		.75	.99	.02		.04	T.			.71	T.	.71	.07			4.91
Alton....10 miles SE	Black			.12	.63		.25	T.					.23				.48		.10	1.03	.20						.03	.45	.09	.31			3.95
Annapolis	St. Francis				.25		.40										.15		.70	.50										.40	.10	.50			3.00
Annapolis[3] 4½ mi. NW	....do				.26		.47		T.				.32				.22		.70	.21	.45		T.	.04						.53		.45			3.65
Arcadia[2]	....do				.35		.33	T.					.12				.06		.22	.40	.60									.48		.56	T.		3.12
Banner[2]	Black				.25		.31						.35	T.			.61		.71	.24	.78									.15		.37			3.12
Belleview	Meramec			*	.14		.25	T.					*.31*				.07		.75	1.00	.10									.25		.10			§2.97
Birch Tree....½ mile E	Black			.01	.25		.25	T.				T.	.30			T.	.52		.22	.63	.06		T.				.02	.14	.06	.37			2.83
Black....9 miles NW	....do			.22	.12		.30	T.					.37	.02			.03		.76	.41	.20							.02	.02	.30			2.77
Bunker[2]...4 miles NW	....do				.43		.33	.05					.39						.35	.41	.56									.47			2.99
Campbell	St. Francis			.01	.77		.71	T					.05				.13		.03	.78	.05		T.	.03			.03	.75	.02	.33			3.69
Cape Girardeau[2]	Mississippi				.46		T.	.28	T.				.27				.13	T.	.54	.51	.16			.03				.52		.63			3.53
Caruthersville[2]	....do				.88			.25					T.	.05			.05	.05		1.80	.30			.60				.70		.55			5.23
Centerville[2]	Black				.27		.39						.34				.08		.61	.27	.55							.30		.38			3.19
Cook Station[2]	Meramec				.23		.31	T.					.42			T.			.87	*	.46					T.				.11			2.40
Crane Mountain[2]	St. Francis				.26		*	.45					.38				.15		.90	.15	.40		T.	.05			.36			.46			3.56
Crystal City	Mississippi			*	.31		.54						.27	.11		T.	.01		.90	.60	.34					T.	.26			.20			3.54
Cuba	Meramec			.03	.30		.34						.47	.15		T.			.98	.54	.05		.02			T.	*	.02		.10			3.00
Deering[2]	St. Francis					1.16												.08		1.40	.21			.26				.50		.52			4.16
De Soto[2]	Mississippi				.31		.30						.26		.11		.01		.80	.21	.97							.11		.20			3.28
Dexter[2]	St. Francis				.72			.53					.16				.20	.11	.59	.85	.21						.13	1.32		.53			5.36
Doniphan	Black			.06			.66	T.								T.	.32		.05	.65	.04							.41	.11	.41			2.71
East End[2]	Meramec				.98		.29						.33						.37	*	*1.04*								.35				§3.36
Eastwood Lookout[2]	Black				.45		.18	T.					.21				.41		.21	.81	.35		.01				.03	.76		.32			3.74
Ellington[2]	....do		.30		.37		.38	T.					.30				.26		.92	.18	.41	T.	T.	.20				.37		.45			4.11
Ellsinore Lookout[2]	....do				.82		.30	*.05*					.20				.28		.32	.70	T.				.12				.65	.55			§3.99
Farmington	St. Francis			.12	.05		.19	T.	T.				.30	T.		T.			.63	.67	.29							.24	.03	.34			2.91
Fisk[2]	....do				.91		T.	.29	T.				T.				.07	.06	.63	.71	.04		T.				T.	.42		.14			3.27
Fredericktown[2]	....do				.46		T.	.40					.32						.51	.25	.50							.42		.31			3.17
Gerald[2]	Meramec				.15		.45		T.				.39			T.	T		.88	.20	.44							.11		.18			2.80
Greenville	St. Francis					.51	.31	T.					.25				.18		.51	.65	.08			.03				.49	.11	.22			3.34
High Lookout[2]	Black				.42		.38		T.				.26				.50		.28	.44	.35			.02				.55		.35			3.55
Jackson	Mississippi				.50		.27	T.	T.				.23				.24		.64	.95	.08			.06				.33	.10	.49			3.89
Jefferson Barracks	Mississippi				.34		.21		T.				.52	.06				T.		*	1.05						.06			.22			2.46
Jerome[2]	Gasconade				.40		.30						.40		.10		.20		1.20	.10	1.30							.10		.20			4.30
Koshkonong	Black			.17	.30		.15	T.					.25				.75		.14	1.12	.18						T.	.65	T.	.32			4.03
Leeper[2]	....do				.24		.13	T.					.20				.16		.44	.60	.20		T.	.06				.79		.27			3.09
Licking....4 miles N	Gasconade				T.		.32												.97	.67	.25									.26			2.46
Macedonia Lookout[2]	Black				.52		.42						.19				.31	.01	.27	.94	.11							.50		.75			4.05
Malden[3]...4 miles NNW	Mississippi			.70	T.		.59	T.				T.	.12			.13	.11		.36	.46	.01		T.			.01	1.18	.10	.37	.02			4.16
Marble Hill	....do				.72		.20	T.					.60				.10		.71	.82	.14			.07			.18	.41	.47				4.42
Meramec Park[2]	Meramec				.16		.32	T.	.02				.53		.18		T.	T.	.89	.03	.38						T.	.07		.11			2.69
Morehouse	Mississippi				.34		.78						.08				.18		.33	1.10	T.							.91	.04	.29			4.05
Moselle[2]	Meramec				.12		.28		T.				.59		.04					.52	.15					.03	.18			.19			2.10
New Madrid[2]	Mississippi				1.00			.48					.10	.02			.05	.16	.22	1.30	.15			.31			.05	.51		.41			4.76
Owensville[2]	Gasconade			T.	.11	T.	.43	T.	T.				.41		.02	.09	.07		.57	.22	.42		.28	T.			.03	.11		.21	.02		3.30
Pacific[2]	Meramec				1.10		.24	T.	T.	T.			*.50*							1.20	.70							*.08*		.47			§4.29
Parma[2]	St. Francis				.75			.37					T.	.10			.05	.05	.08	.48	.43						.11	.57		.38			3.37
Perryville	Mississippi			*	.45		.35		T.				.34				.04		.15	*	.90							.52		.32	T.		3.07
Pilot Knob[2]...2 mi. NE	St. Francis				.28	*	.36					*	.35					.73	.25	*	.40							.31		.39			3.07
Poplar Bluff[2]....(A)	Black				.65			.35									.32	.05		.75	.16						T	.65		.51			3.44
Poplar Bluff[2]....(B)	....do				.65			.34					.24				.30	.02	.40	.73	.07		T.				.05	.57	T.	.51			3.88
Reynolds[2]	....do				.30		.34						.33				.09		.53	.20								.17		.33			2.29
Richwoods[2]	Meramec				.20		.08						.59			T.			.77		.76									.15			2.55
Rolla[2]	....do				.25		.33		T.				.45		.15	.05	.10		.95	.10	.55							.10		.25			3.28
Round Spring[2]	Black				.27		.38					.31					.08		.51		.86									.41			2.82
St. Louis City Office[1, 5]	Mississippi			.24	.07		.20	T.	T.			T	.46	.01		T.	T.	T.	.52	.50	T.		T.			.05	.18		.26	T.		T.	2.49
Airport[3]	Missouri			.41	.10	T.	.19	T	T.			.08	.27	.07		T.	T.	T.	.52	.39	T.		T.			.15	.26		.27	T.			2.71
St. Louis Univ.[1, 5]	Mississippi			.27	.07		.21	.01	T.			.01	.44	.03		.01	T.		.58	.82	T.					.05	.32		.23	.02		T.	3.07
Washington Univ.[2]	....do				.21		.22						.52		.02				.47	.05	.45						.09	.51		.25			2.79
Salem	Meramec			.17	.15		.27	T.					.46			.03			.74	.60	.29								T.	.14			2.90
Sikeston[2]	Mississippi				.84		T.	.85					.21				.16	.09	.56	.40	.57	.26		.15			.07	1.02		.45			5.63
Steelville[2]	Meramec				.10	T.	.39						.10		.10		.01		1.00	*	.60									*.10*			§2.40
Summersville	Black			.04	.22		.21	T.				.25			.06	.07			.48	.68	.02		T.			T.	T.		T.	.38			2.44
Union	Meramec				.33		.29						.34				.09		.73	.23									.09	.22			2.32
Valley Park[2]	....do				T.		.20		T.				.54						T.	T.	.61		.59	T.				T.		T.			1.94
Van Buren	Black				.23		.16						.33						.40		.35	.65	.08						1.14	.23			3.57
Vichy[3]....2 miles NW	Meramec			.09	T.		.40	T	.03			.37	T.	.08		.12	T.		1.33	.78		T.	T.			T.	.09		.18	T.			3.47
Wappapello Dam[2]	St Francis				.57		.01	.30					.14					.24	.02	.32	.73	.20			.01			.03	.31		.57			3.45
Weingarten	Mississippi				.75		.35						.32							.90	.25								1.05		.50			4.12
West Plains[3]	Black			.31			.35	T.				T.	.19	T.		.86	T.		.32	.51	T.	T.	T.				.15		.48	T.			3.17
Williamsville[2]	....do				.47			.15	.04				.16							.65	.35	T.		.04				.41		.55			2.82
Willow Springs[2] 500 ft E	White				.26		.27						.25			.50		.20	.08	.28	.54	T.						T.		.52			2.90
Winona Ranger Sta.[2]	Black				.27		.23		T.				.20				.41		.37	.35	.37		T.	T.				.63		.37			3.20
Zalma....3½ miles S	Mississippi				.51		.26	T.				T.	.24				.26		.65	.92	.04			.02				.42	.10	.59			4.01
Cairo, Ill.[1, 5]	....do			.55	.22		.70	.01	T.			T.	.22			T.	.24		.91	.69	.01		.06	.12			.01	.86	.20	.29	.03			5.12

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. *Italics* data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage.

Daily Temperatures for March 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick /	Maximum	47	52	54	41	41	40	39	32	34	61	53	41	48	74	47	44	49	38	36	43	46	59	60	67	40	39	51	47	32	41	58	46.9
	Minimum	25	25	37	36	29	32	22	16	15	16	25	32	30	30	40	37	33	34	23	22	21	29	35	33	31	30	31	32	23	21	22	28.0
Chillicothe /	Maximum	49	53	49	40	41	32	27	32	35	63	48	48	55	61	43	45	47	38	35	43	46	58	61	63	41	37	51	44	31	42	59	45.7
	Minimum	23	24	37	33	28	28	19	12	12	15	26	27	28	29	36	33	32	30	23	20	26	28	30	31	29	30	28	31	19	20	22	26.1
Columbia	Maximum	45	56	58	52	43	44	31	32	34	61	62	55	47	77	56	48	52	43	30	40	48	60	59	71	43	40	52	48	32	38	60	48.9
	Minimum	26	33	50	34	31	27	22	17	19	26	44	34	32	45	48	36	39	28	25	19	30	38	37	43	31	34	32	30	25	24	27	31.8
Fayette	Maximum	46	52	53	49	41	41	33	33	35	61	59	48	47	74	54	48	52	49	35	43	46	59	60	68	57	37	49	48	34	40	57	48.6
	Minimum	25	32	41	32	27	28	22	15	15	24	38	31	31	44	42	33	38	33	24	17	26	38	39	40	30	29	31	33	22	22	23	29.8
Grant City	Maximum	49	50	50	39	39	35	27	30	32	61	58	40	34	56	48	44	44	41	36	44	49	55	60	55	45	43	48	47	30	41	57	44.5
	Minimum	24	38	38	32	25	18	16	9	9	22	40	21	25	33	33	29	34	27	20	22	26	33	28	37	29	29	26	28	15	19	17	25.9
Hannibal	Maximum	41	54	51	45	39	40	29	29	31	56	61	46	38	75	55	48	45	40	30	42	46	54	58	70	44	35	49	48	33	38	54	45.9
	Minimum	20	31	43	30	29	24	16	12	11	20	38	26	24	36	39	35	35	25	23	19	25	33	35	41	28	28	30	30	21	20	23	27.4
Kansas City Airport.	Maximum	52	61	56	44	46	43	29	37	34	61	49	41	64	68	43	49	52	41	36	40	43	56	62	64	40	42	50	41	32	43	63	47.8
	Minimum	29	43	44	32	31	25	21	15	19	29	39	30	33	40	36	31	40	31	26	25	31	38	33	40	30	34	30	24	19	22	30	30.6
Kirksville	Maximum	42	47	51	44	35	37	27	30	33	60	59	45	34	59	59	44	45	43	35	43	42	58	61	64	53	44	51	47	40	40	55	46.0
	Minimum	21	32	43	32	26	23	16	11	10	21	37	27	23	31	35	33	35	29	21	19	24	35	32	42	28	30	30	30	18	20	22	27.0
Lawson	Maximum	49	58	56	44	39	40	30	33	36	62	53	45	46	65	45	45	49	42	35	43	43	56	61	62	44	35	51	45	31	41	59	46.5
	Minimum	25	37	44	32	27	23	20	12	14	23	42	27	29	40	35	30	36	30	24	20	25	37	29	42	29	30	27	29	16	20	25	28.4
Louisiana /	Maximum	41	56	63	41	41	43	30	31	31	57	63	44	42	70	51	45	47	38	29	41	48	55	57	70	49	39	48	49	33	37	57	46.6
	Minimum	20	20	33	40	32	32	23	16	16	17	25	37	26	29	42	44	37	34	27	21	21	23	36	38	33	29	33	33	27	23	23	28.7
Macon /	Maximum	43	52	50	38	39	39	28	30	34	60	54	40	48	70	47	42	47	38	33	44	44	58	59	64	42	37	51	50	30	40	55	45.4
	Minimum	22	22	35	33	26	29	17	13	12	13	23	30	26	27	39	36	34	30	23	19	20	26	34	33	29	29	32	32	20	20	21	26.0
Maryville	Maximum	46	49	47	37	33	32	25	28	29	60	56	37	33	52	36	42	43	39	37	40	39	50	57	56	41	39	44	43	29	39	55	41.7
	Minimum	22	37	37	28	23	16	15	7	10	22	37	20	25	33	31	27	34	26	20	20	26	32	26	36	25	28	23	23	12	17	20	24.5
Mexico /	Maximum	43	56	56	38	41	41	32	34	38	61	64	46	45	78	51	42	52	38	30	41	47	60	62	73	40	38	54	47	35	40	60	47.9
	Minimum	24	25	33	36	29	34	22	15	11	12	19	32	28	30	36	39	35	33	25	17	18	21	31	36	30	29	30	33	25	21	23	26.8
Moberly /	Maximum	41	52	51	37	40	36	28	30	33	59	57	39	47	73	47	42	47	37	30	42	45	57	58	65	38	37	59	47	29	39	55	45.1
	Minimum	23	23	35	32	27	30	20	13	14	15	26	31	28	29	42	36	34	32	23	16	22	29	34	34	29	29	32	33	22	22	24	27.1
Oregon	Maximum	50	52	56	40	37	37	26	32	30	61	53	38	43	59	38	47	47	42	40	45	42	55	62	61	44	40	49	47	30	41	60	45.3
	Minimum	26	40	36	28	26	18	17	10	13	25	37	23	28	35	32	28	35	28	23	22	27	33	29	43	25	32	27	25	15	19	26	26.8
St. Charles /	Maximum	*38*	*52*	*60*	47	42	51	*33*	*30*	*33*	54	64	52	46	81	66	57	*55*	43	34	44	44	59	*57*	75	39	59	57	46	41	43	56	50.3
	Minimum	24	27	35	42	33	33	25	15	15	20	26	40	30	31	41	50	36	37	28	24	24	29	*38*	*38*	38	31	34	35	28	25	26	30.9
St. Joseph	Maximum	49	57	54	37	40	34	26	32	33	63	47	39	50	60	39	47	45	37	40	43	41	55	61	54	41	37	50	41	30	40	60	44.6
	Minimum	28	42	37	27	27	22	20	13	17	27	35	28	30	36	35	31	37	29	25	24	30	37	31	35	30	33	30	25	18	22	30	28.7
Trenton	Maximum	47	49	48	40	40	37	28	31	33	62	59	39	36	65	43	40	47	45	35	43	44	56	61	59	50	43	49	45	40	42	57	45.6
	Minimum	24	36	40	33	27	28	18	12	12	23	35	26	28	35	34	33	34	30	24	21	27	37	29	44	30	32	29	30	18	21	23	28.2
Unionville /	Maximum	44	48	45	39	38	35	24	30	34	64	41	40	48	60	46	45	44	36	36	47	42	55	60	61	49	35	51	45	28	41	53	44.0
	Minimum	20	17	34	30	23	25	14	8	7	6	20	25	20	20	35	32	32	25	20	17	15	20	29	28	27	25	27	26	14	14	17	21.7
Warrenton	Maximum	46	57	57	53	38	42	36	31	33	57	67	64	52	78	73	56	57	47	34	..	..	..	..	..	56	51	52	43	38	38	57	[e]50.5
	Minimum	22	30	43	33	32	32	24	16	14	21	42	38	29	31	51	36	34	33	23	..	..	..	..	..	31	30	31	33	25	22	26	[e]30.1
Keokuk, Iowa	Maximum	42	55	52	40	40	40	24	27	29	56	58	39	37	64	48	47	43	35	32	40	45	51	57	66	44	36	50	48	29	38	53	44.1
	Minimum	24	32	40	32	29	24	17	14	12	21	39	26	24	37	36	35	34	26	22	22	29	35	36	40	29	32	34	29	24	22	26	28.5
Southwestern Division																																	
Clinton	Maximum	54	63	62	53	50	44	33	37	39	62	57	48	64	74	52	46	61	45	32	40	47	57	60	70	43	41	51	44	32	41	65	50.5
	Minimum	26	37	49	32	30	27	23	17	20	26	43	33	35	52	41	34	37	31	25	20	28	39	32	43	32	32	29	26	21	22	31	31.4
Eldon /	Maximum	49	61	63	42	46	45	31	34	36	66	64	47	66	73	62	42	62	48	28	39	48	59	59	72	39	55	53	46	35	42	61	50.7
	Minimum	23	23	33	42	30	30	26	18	11	16	25	37	34	34	53	40	31	39	25	21	19	26	35	36	36	30	32	31	26	22	22	29.2
Harrisonville /	Maximum	53	60	51	40	50	38	38	37	38	63	49	47	63	69	48	48	56	36	35	42	44	56	62	69	38	46	50	40	32	41	63	48.5
	Minimum	23	29	39	33	29	28	20	14	15	18	33	30	30	33	40	32	30	34	23	20	24	30	29	30	30	30	27	31	17	19	20	27.1
Jefferson City /	Maximum	44	60	59	44	45	44	32	33	36	58	62	46	56	76	59	41	54	39	26	39	44	57	58	74	40	48	55	47	35	42	64	48.9
	Minimum	21	25	31	44	31	32	25	18	17	17	27	33	33	33	50	39	36	38	26	22	22	26	37	37	36	31	31	32	25	23	23	29.8
Joplin	Maximum	59	64	62	58	61	57	34	41	44	62	61	49	69	75	67	47	68	64	37	42	50	54	60	72	56	62	56	48	34	44	72	55.8
	Minimum	32	39	54	36	35	32	27	21	28	34	46	39	45	61	44	35	42	37	28	26	36	41	35	49	36	35	34	28	22	26	36	36.1
Lamar /	Maximum	58	64	59	38	56	44	36	38	42	62	56	52	70	72	55	46	65	48	31	40	45	52	61	71	41	54	56	46	35	43	67	51.7
	Minimum	25	28	37	35	30	29	22	18	18	21	31	33	33	41	45	34	34	37	28	20	18	34	30	29	37	33	29	29	20	21	23	29.1
Lebanon	Maximum	54	61	61	55	46	48	39	35	44	61	62	60	66	77	77	57	65	64	36	42	51	56	58	71	70	56	56	61	39	41	67	56.0
	Minimum	23	31	44	34	31	32	22	16	20	27	39	36	36	50	53	37	34	35	25	23	25	37	34	46	36	..	..	29	23	20	28	[b]31.7
Lexington /	Maximum	50	59	54	41	42	35	30	35	38	53	50	45	57	72	44	48	51	36	37	44	46	59	67	67	41	40	54	48	32	43	62	47.7
	Minimum	26	31	40	33	30	26	21	14	16	19	33	29	31	32	40	31	32	31	24	22	27	32	31	34	31	30	30	35	20	21	24	28.2
Marshall	Maximum	45	52	54	49	44	38	34	32	34	61	61	48	52	79	71	48	50	50	36	41	46	58	59	67	65	38	49	49	44	40	59	50.1
	Minimum	26	34	47	33	38	31	22	15	18	26	41	31	31	46	40	33	38	32	21	24	28	38	33	45	30	31	32	33	21	22	27	31.2
Mountain Grove	Maximum	51	58	59	55	44	47	41	35	43	58	63	63	62	76	75	62	65	65	39	37	52	52	57	69	69	51	58	58	41	41	61	55.1
	Minimum	25	28	42	35	31	34	21	18	19	25	39	38	37	48	54	41	35	37	21	22	29	36	34	36	34	32	31	36	24	21	29	32.0
Neosho	Maximum	60	65	63	61	61	57	44	41	48	64	62	62	71	78	75	59	68	68	45	44	48	56	60	71	71	55	56	55	38	46	71	58.8
	Minimum	29	35	52	38	34	38	23	21	27	30	43	39	46	56	53	37	36	45	29	19	35	40	31	40	38	37	34	38	23	25	30	35.5
Nevada	Maximum	59	65	62	60	56	54	44	41	43	62	60	52	71	74	67	53	63	62	37	44	46	56	62	72	69	46	55	55	34	44	68	56.0
	Minimum	28	26	48	36	32	30	24	18	22	28	40	30	39	55	41	35	37	36	26	23	30	40	29	44	34	32	28	33	18	22	32	32.2
Sedalia	Maximum	49	58	62	55	46	45	36	33	35	62	61	52	59	78	74	50	57	54	36	40	46	58	60	70	68	39	50	50	34	40	62	52.2
	Minimum	22	34	48	33	29	32	21	15	16	25	40	31	32	50	41	38	36	36	22	14	27	36	33	42	33	30	30	33	20	20	27	30.5
Springfield .. ½ mile E	Maximum	52	59	57	55	48	48	35	36	43	61	61	51	66	75	61	51	65	56	34	39	50	56	57	70	52	51	56	48	36	41	68	53.0
	Minimum	27	32	47	35	33	26	22	18	23	30	40	38	41	52	52	37	37	34	25	21	30	36	34	40	33	33	30	29	23	22	31	32.6
Warrensburg	Maximum	51	58	58	58	46	47	35	35	35	60	62	50	57	67	67	46	54	54	35	41	45	57	59	66	67	37	50	*53*	36	40	60	51.2
	Minimum	25	32	48	34	30	28	22	16	19	26	42	32	33	51	41	33	37	33	24	22	29	40	32	44	30	31	30	32	20	21	31	31.2
Southeastern Division																																	
Arcadia /	Maximum	48	55	55	59	41	52	38	36	40	58	70	58	58	81	76	63	70	48	35	45	53	58	62	70	49	70	64	45	40	46	66	55.1
	Minimum	20	19	22	35	33	33	24	19	14	19	18	35	33	32	49	53	34	35	29	23	22	32	28	27	33	34	33	34	29	24	23	28.6
Birch Tree .. ½ mile E	Maximum	..	63	58	55	44	50	40	38	57	56	65	60	61	78	72	64	62	55	40	40	53	56	69	68	66	62	62	58	43	45	65	[a]56.8
	Minimum	..	22	33	38	33	37	24	20	18	29	35	44	37	42	58	51	31	37	30	24	26	33	23	34	38	34	35	40	28	24	21	[a]32.6
Caruthersville /	Maximum	45	58	65	60	63	67	50	42	43	57	70	60	64	79	80	68	69	62	39	41	54	67	58	67	72	74	61	55	49	49	62	59.7
	Minimum	30	32	34	45	37	38	30	25	25	29	32	47	39	39	50	57	40	40	38	28	29	35	42	39	40	42	42	46	40	32	30	37.2
Crystal City	Maximum	40	60	62	58	43	49	43	35	39	58	67	67	51	83	82	68	65	64	37	45	48	56	58	73	71	65	65	57	43	47	61	56.8
	Minimum	22	29	38	38	35	39	26	20	16	22	35	43	32	39	52	50	35	37	27	25	21	35	40	30	36	33	36	35	29	25	23	32.4
Doniphan	Maximum	55	60	68	61	44	65	58	47	48	61	74	64	68	81	78	77	77	72	48	50	54	66	66	73	72	68	78	69	49	55	64	63.2
	Minimum	22	24	33	43	36	37	27	23	20	21	35	49	38	38	45	56	32	42	32	28	29	36	40	29	46	39	46	42	33	29	24	34.6
Farmington	Maximum	42	57	60	55	43	50	39	34	37	55	65	60	56	80	77	66	67	68	38	43	50	57	63	69	61	65	65	53	42	45	64	55.7
	Minimum	20	27	42	36	33	37	24	18	16	24	37	42	30	42	55	48	35	36	20	23	22	32	38	33	35	33	35	35	27	23	25	31.7
Jackson	Maximum	43	55	60	60	43	54	47	37	39	53	66	65	57	78	78	73	70	69	42	42	51	63	60	66	66	68	71	58	47	48	60	57.7
	Minimum	23	25	36	40	35	35	27	22	19	24	39	46	33	46	55	58	37	40	29	25	25	36	41	32	41	36	40	40	30	27	25	34.4
Poplar Bluff	Maximum	47	59	65	58	45	58	50	43	45	57	71	62	62	80	77	69	71	59	44	41	53	72	62	69	65	74	68	57	50	60	64	60.0
	Minimum	24	25	34	43	36	36	26	23	22	24	40	48	36	39	46	58	36	43	32	27	26	35	40	31	44	38	44	42	33	29	25	35.0
Rolla /	Maximum	49	60	60	40	47	42	34	35	39	60	65	52	61	77	66	46	64	38	31	45	49	55	59	71	40	59	54	44	39	44	66	51.3
	Minimum	23	25	35	39	33	34	24	17	17	23	32	43	34	35	56	42	35	38	26	23	26	30	36	37	36	32	32	36	25	21	28	31.4
St. Louis	Maximum	40	53	59	55	42	47	32	29	32	54	62	49	43	79	65	58	55	45	31	38	46	56	57	71	55	59	51	46	38	40	55	49.7
	Minimum	28	32	45	36	31	30	22	18	20	26	41	32	31	41	55	38	39	30	24	25	31	35	40	43	33	34	36	35	28	26	30	32.8
Salem	Maximum	51	61	61	55	43	48	39	35	39	58	65	61	60	78	74	62	66	57	36	43	52	52	60	71	66	61	58	54	40	44	65	55.3
	Minimum	21	30	45	36	32	37	23	18	17	25	35	40	34	49	57	44	36	36	25	23	23	36	36	35	35	33	32	36	26	22	25	32.3
Sikeston /	Maximum	42	58	66	56	61	64	47	42	40	57	69	61	62	81	82	71	70	50	38	44	52	60	68	72	73	74	63	49	52	51	63	59.3
	Minimum	26	25	29	43	36	37	27	24	21	23	29	48	35	36	45	53	38	39	36	26	26	30	42	43	40	38	37	43	38	29	30	34.6
Union	Maximum	47	66	64	59	58	49	44	35	41	65	70	69	52	82	81	68	66	65	42	44	51	58	61	75	70	61	65	58	47	47	65	59.0
	Minimum	22	28	43	37	35	36	26	19	13	20	37	41	29	36	48	42	35	36	25	24	20	36	39	29	36	30	33	35	28	25	21	31.1
West Plains	Maximum	50	59	66	57	44	49	41	41	45	57	66	57	62	78	65	57	68	58	36	40	51	56	60	70	53	61	62	49	43	46	66	55.3
	Minimum	22	26	38	37	31	30	24	21	22	24	36	43	39	41	53	38	36	36	27	25	26	38	35	30	36	36	34	36	29	25	26	32.4
Cairo, Ill.	Maximum	43	55	65	60	45	64	44	40	40	54	66	59	60	79	79	67	67	56	40	40	49	65	58	67	66	72	61	53	53	48	60	57.3
	Minimum	29	32	42	39	36	38	29	26	25	30	47	41	36	48	60	48	40	40	30	28	32	39	41	42	41	39	46	42	34	32	33	37.7

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. $ Partly interpolated.

WBO, St. Louis, 5-6-44—1000.

UNMS
V.48
No.4

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII APRIL 1944 No. 4

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The past month was a very unfavorable one from an agricultural standpoint, being cool, wet, and cloudy over most of the State, and particularly the northern two-thirds, thus further curtailing farm work. At the close of April, this work was four to six weeks later than average. Frequent and exeessive rains, after the opening week, resulted in the severe flooding of streams and rivers during the last half of the month, except in the southern third of the State, and all growing crops on bottom lands that were overflowed, and where the water remained for any appreciable time, were lost. Soil erosion was enormous due to the excessive rains and washing of overflowed land. (Report on the floods and resulting damages will appear in a later edition of this publication, when statistics become available.)

It was the coolest April since 1928, for the State as a whole, and the seventh coolest since State-wide records began in 1888. Frosts, or freezing temperatures, occurred rather frequently the first two weeks, but damage was relatively light, due to the backward season. Most crops and gardens had not been planted, while those that had been were not far enough advanced to be susceptible to frost damage. There were no outstanding warm periods, except for moderate warmth from the 6th to 11th, inclusive, and daily temperatures, as a rule, averaged below normal throughout the month.

Precipitation was especially heavy during the month, the average for the State, 6.68 inches, being 68 pereent more than normal. It was the wettest April since 1927 and the third-wettest of record since 1888. All of the precipitation was from rain, snowfall during the month being of no consequence, and generally too light to be measured. Rains were very frequent after the 6th, and on several days were heavy to excessive, causing severe flooding of streams and rivers in the northern two-thirds of the State. In the southern third, precipitation was not so heavy and the adverse effects of too much rain were not so serious. In fact, some stations in that area received monthly totals less than normal. Twenty-four hour falls ranging from more than five inches to nearly eight inches were recorded in each of the three divisions on the 21st, 22d and 23d. Thunderstorms and high winds were quite frequent and hail occurred on many more days than usual. (See special tornado, windstorm, and hailstorm notes.)

The cool, wet weather throughout most of April seriously hampered, or entirely prevented, plowing and planting of spring crops, except in the southern third of the State. Much of the acreage intended for oats could not be sown to that crop and will have to be planted to corn, or other crops. Very little corn was planted during the month, except in the southern third. Some oats and corn that were planted rotted in the cold, wet ground; stands of oats were reported poor and thin. Wheat and other fall sown grains and pastures grew well during the month, except in flooded areas, where they were ruined. It was estimated that about 125,000 acres of winter wheat, in bottoms along flooded streams and rivers, were inundated and ruined. Gardens and truck crops made very slow progress during the month; some remained unplanted. The lateness of the season and amount of work to be done, together with a serious

(Continued on page 21)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extreme inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity § : 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.43*	28	29.23*	15	9.3	27	nw.	21	82*	61*	65*	55	419
Kan. City Airp't.	30.46	2	29.11	14	11.7	40	n.	22	83	61	66	48	448
St. Joseph	30.47*	2	29.11*	14	9.8	29	w.	21	88*	67*	68*	38	488
St. Louis	30.48*	28	29.27*	15	13.2	44	sw.	23	74	57	63*	49	343
Springfield	30.42	3	29.27	14	11.4	47	sw.	14	83	66	66	47	586
Cairo, Ill.	30.43	28	29.40	15	11.2	34	sw.	23	79	60	..	62	226
	.....	..	.....	..	....	..	.....	..	..	..	..	..	..

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR APRIL

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	57.9	94	20	1.92	1.54	2.37	1.85	....	5	..	..	..
1889	55.7	90	27	2.66	2.84	3.31	1.83	....	8	..	..	..
1890	56.2	93	25	3.58	2.26	3.43	5.05	....	8	..	..	..
1891	56.8	93	15	3.46	3.88	4.08	2.41	T.	9	..	..	..
1892	53.1	90	24	5.83	5.14	5.35	7.01	0.0	11	9	8	13
1893	53.9	95	19	8.27	6.37	9.14	9.29	0.0	12	8	9	13
1894	56.1	95	20	3.11	2.24	3.52	3.58	T.	8	12	10	8
1895	57.9	100	24	2.04	1.87	2.08	2.17	T.	7	14	8	8
1896	61.9	92	17	3.57	3.10	4.35	3.25	0.0	9	11	12	7
1897	54.4	88	21	4.65	4.07	3.78	6.10	T.	10	10	11	9
1898	52.5	90	14	3.64	3.77	3.75	3.40	T.	10	12	9	9
1899	54.0	96	6	3.80	3.46	4.02	3.93	3.8	8	12	9	9
1900	56.7	89	21	3.50	3.05	3.66	3.78	0.7	9	11	10	9
1901	53.3	94	24	2.96	2.63	2.83	3.41	1.8	8	14	7	9
1902	53.9	95	19	2.82	1.98	3.30	3.18	T.	11	13	11	6
1903	55.9	91	26	3.37	3.97	3.34	2.79	1.2	9	11	10	9
1904	49.0	84	19	5.63	6.14	6.07	4.67	2.7	9	15	6	9
1905	54.9	92	20	3.09	3.66	2.28	3.34	0.3	6	14	8	8
1906	59.5	93	22	2.42	2.67	2.40	2.18	0.0	6	17	7	6
1907	48.7	89	16	3.33	2.62	3.83	3.55	T.	8	11	8	11
1908	56.6	90	18	5.89	2.55	6.58	8.53	T.	11	11	8	11
1909	54.8	93	19	4.72	4.36	3.60	6.21	T.	8	13	9	8
1910	54.8	97	21	3.58	2.74	3.55	4.45	0.9	11	12	7	11
1911	53.5	91	20	4.93	4.28	4.70	5.81	T.	10	12	8	10
1912	56.0	89	24	6.08	3.78	6.47	8.00	0.7	10	13	7	10
1913	56.2	94	25	3.32	3.36	3.10	3.50	T.	7	16	5	9
1914	55.2	91	18	3.14	2.57	3.11	3.75	T.	8	12	7	11
1915	61.9	96	18	2.12	1.93	2.64	1.79	T.	7	16	8	6
1916	53.5	93	21	3.32	2.77	3.93	3.27	1.9	10	11	8	11
1917	53.2	89	19	5.95	5.66	5.08	7.11	1.2	12	12	6	12
1918	50.8	93	19	5.33	3.61	5.26	7.11	0.9	11	12	6	12
1919	55.3	94	20	3.03	3.15	3.46	2.47	T.	9	12	7	11
1920	50.2	89	4	3.82	4.86	3.30	3.31	4.8	11	11	7	12
1921	56.0	91	19	5.36	4.70	5.22	6.16	1.1	10	13	7	10
1922	57.3	91	24	6.41	4.96	8.47	5.81	T.	11	13	6	11
1923	54.2	92	14	3.26	2.52	3.38	3.89	0.4	8	14	8	8
1924	56.6	95	11	2.15	1.26	2.78	2.40	T.	6	14	8	8
1925	61.0	92	24	4.12	4.12	4.73	3.52	0.0	10	12	9	9
1926	49.9	91	11	2.42	2.39	2.17	2.69	2.4	8	14	6	10
1927	57.7	94	18	8.68	6.73	8.61	10.70	T.	14	10	7	13
1928	51.6	88	16	4.86	2.76	5.46	6.37	0.2	8	13	7	10
1929	57.4	96	27	6.15	6.32	6.58	5.56	0.0	12	11	8	11
1930	59.1	96	28	2.02	1.89	2.77	1.39	0.0	8	14	8	8
1931	54.8	90	22	2.96	2.92	2.77	3.18	T.	9	14	6	10
1932	57.6	95	22	2.58	2.43	2.52	2.78	0.0	8	14	8	8
1933	54.9	88	22	3.84	2.08	3.82	5.62	0.7	10	11	9	10
1934	56.5	90	24	2.50	2.06	2.61	2.84	T.	7	16	8	6
1935	52.3	90	23	2.90	3.10	3.02	2.59	0.7	9	9	7	14
1936	53.0	95	9	2.45	2.00	1.93	3.41	0.5	8	16	7	7
1937	54.5	93	21	4.04	3.25	3.67	5.21	T.	10	10	8	12
1938	56.7	89	18	3.68	3.79	4.13	3.13	3.2	10	13	9	8
1939	53.4	88	16	5.01	4.35	4.32	6.36	0.1	10	11	8	11
1940	54.0	92	15	4.41	3.01	4.57	5.64	0.3	11	11	8	11
1941	59.2	90	29	4.49	3.47	6.20	3.81	0.0	10	11	9	10
1942	59.1	94	20	3.83	3.07	4.56	3.87	0.0	9	14	8	8
1943	56.0	91	18	2.91	2.28	3.15	3.30	T.	9	13	10	7
1944	52.2	89	16	6.68	7.69	5.78	6.57	0.0	13	8	9	13
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period	55.3	100	4	3.98	3.44	4.12	4.37	0.6	9	12	8	10

Climatological Data for April 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	46.8	.....	76	30	16	5	15	7.91	+5.12	1.68	21	0	17	11	8	11	n.	Curtis E. Grace
Bethany	Harrison	916	49	46.4	− 5.1	78	30	19	5	51	6.44	+3.15	2.20	21	T.	11	8	8	14	se.	A. S. Cumming
Brookfield	Linn	767	3	48.3	.....	78	30	22	5	3	7.30	.....	1.52	22	T.	13	13	1	16	e.	G. F. Breen
Brunswick	Chariton	652	63	48.6	− 5.6	76	30	25	1†	65	6.16	+2.33	1.70	10-11	T.	14	11	1	18	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	47.9	.....	72	30	17	3	14	7.79	+5.03	3.03	10-11	0	14	10	7	13	se.	Lockmaster
Chillicothe	Livingston	779	35	47.3	− 4.7	78	30	24	2†	38	6.93	+3.71	2.06	22-23	0	13	14	1	15	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	50.0	− 3.5	78	30	22	3	35	7.40	+4.04	2.00	10	T.	17	8	5	17	nw.	Dr. A J. Bradsher
Columbia	Boone	740	54	51.1	− 3.8	82	30	26	3	54	9.53	+5.76	3.43	21-22	T.	17	7	10	13	n.	U. S. Weather Bureau
Conception	Nodaway	980	55	46.6	− 5.6	75	30	21	2	60	7.69	+4.96	2.14	10-11	T.	14	5	11	14	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	47.4	− 6.4	80	30	17	5	41	6.08	+3.00	1.90	10-11	T.	17	4	9	17	ne.	LeRoy Mindrup
Elsberry	Lincoln	449	13	52.2	− 1.4	78	6†	21	5	13	7.83	+4.78	2.80	22	0	9	9	14	7	sc.	John Dowell
Fayette	Howard	760	64	50.0	− 4.2	79	30	23	3	61	9.41	+5.86	3.07	22	T.	15	8	5	17	se.	Irvin E. Schnell
Fulton	Callaway	818	56	49.8	− 4.8	81	30	25	3	52	6.50	+2.49	2.07	10-11	0	14	13	6	11	e.	Frank E. Billgartner
Grant City	Worth	1,134	40	46.6	− 5.6	70	8	18	2	52	6.94	+3.98	1.36	21	T.	15	5	6	19	ne.	Howard Ryholt
Hannibal	Marion	759	52	48.6	− 4.8	80	30	22	5	60	8.00	+4.81	2.40	10	0	16	9	8	13	n.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	50.3	− 4.5	78	30	26	5	55	10.57	+7.05	5.96	21-22	T.	16	5	8	17	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	50.8	.....	79	30	27	5	6	9.61	.....	4.30	21-22	0	18	7	9	14	n.	University of Kansas City
Kidder	Caldwell	1,020	52	52.2	0.0	76	30	21	5	56	5.50	+2.22	1.32	10-11	T.	14	6	8	16	ne.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	48.7	− 3.2	78	30	23	2	62	7.19	+3.09	1.77	22-23	0	18	9	4	17	w.	P. O. Selby
Lawson	Ray	1,070	6	48.5	.....	77	30	22	5	6	6.27	.....	2.08	21-22	T.	16	7	7	16	ne.	Frank G. Gstrein
Louisiana	Pike	469	50	48.2	− 5.8	81	30	24	5	63	6.73	+3.01	2.75	10-11	0	12	0	23	7	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	47.0	− 6.1	73	29	24	1†	51	7.44	+3.78	2.20	10-11	T.	14	8	5	17	se.	John W. Atwell
Maryville	Nodaway	1,169	54	46.0	− 4.8	73	30	19	5	50	5.53	+2.52	1.80	10-11	T.	17	5	4	21	ne.	R. B. Montomery
Memphis	Scotland	787	5	45.2	.....	78	30	22	1	14	6.55	+3.35	2.06	22-23	0	14	8	3	19	se.	John W. Alexander
Mexico	Audrain	860	55	49.0	− 4.8	82	30	25	3†	66	11.66	+7.91	2.52	21-22	T.	20	13	2	15	nw.	Henry D. Llewellyn
Moberly	Randolph	860	7	47.8	.....	77	30	24	3†	7	8.01	.....	2.75	10-11	0	12	8	3	19	nw.	James G. Carney
New Florence, 1 mi SE	Montgomery	885	1	49.8	.....	79	30	24	5	2	6.54	.....	2.24	21-22	T.	11	6	11	13	w.	U. S. Weather Bureau
Oregon	Holt	1,048	58	48.4	− 4.3	76	8†	22	2	88	7.91	+4.62	1.15	21-22	T.	18	4	14	12	ne.	Miss Mina Wright
St. Charles	St. Charles	520	56	52.5	− 3.1	81	30	24	5	66	8.83	+5.08	2.56	22	0	10	8	8	14	nw.	Martin L. Comann
St. Joseph	Buchanan	957	34	48.8	− 4.7	77	30	25	5	72	10.88	+7.69	3.34	21-22	0.2	16	10	7	13	n.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	6	49.0	.....	79	30	25	5	6	9.76	.....	2.33	21-22	0	17	12	5	13	se.	Lockmaster
Shelbina	Shelby	779	3	49.0	.....	78	30	22	5	51	9.21	+5.46	2.21	21-22	T.	16	11	4	15	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	48.6	− 4.5	75	30	22	5	51	8.18	+4.60	2.79	10	0	17	9	4	17	ne.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	....	.....	..	..	..	..	50	....	.....	....	..	..	..	..	..	.....	.....	.....
Trenton	Grundy	822	48	48.6	− 4.1	77	30	23	2	49	6.70	+3.12	3.14	21-22	0	17	7	8	15	n.	W. H. Estes
Unionville	Putnam	1,062	51	44.8	− 6.2	76	29	18	3	51	5.95	+2.25	1.39	10	0	12	8	9	13	e.	C. D. Wilson
Warrenton	Warren	816	62	51.7	− 3.1	80	30	23	3	54	6.77	+2.73	2.59	10-11	0	16	7	11	12	nw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	48.5	− 3.8	76	30	26	1†	72	6.44	+3.45	1.45	10†	0	17	8	8	14	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	48.7	− 4.4	82	30	16	5	..	7.69	+4.25	5.96	21-22	T.	15	8	7	15	ne.	
Southwestern Division																					
Anderson ...1½ mi sw	McDonald	1,060	40	52.8	− 3.9	84	21	19	5	45	6.38	+1.69	1.67	10	0	10	15	3	12	nw.	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	52.7	− 3.4	79	30	25	3	52	7.74	+3.61	2.65	21-22	T.	14	12	2	16	sw.	Rolla Brown
Bolivar	Polk	1,071	41	53.4	− 2.9	82	21	26	5	49	3.11	−1.06	1.07	10	0	14	7	10	13	e.	Southwest Baptist College
Boonville	Cooper	650	6	48.9	.....	80	30	26	5	67	9.40	+5.53	2.66	10-11	T.	15	9	4	17	se.	Boonville Water Dept.
Carthage	Jasper	962	10	55.6	.....	85	21	22	5	20	5.36	.....	1.26	8-9	0	14	6	19	5	ne.	Carthage W. and E. Plant
Clinton	Henry	786	51	52.0	− 4.3	80	30	26	5	57	8.72	+4.55	3.52	21-22	0	14	6	10	14	n.	U. S. Weather Bureau
Eldon	Miller	934	49	50.4	− 5.0	81	30	25	4†	45	5.51	+1.35	2.39	10-11	0	13	9	8	13	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	52.3	.....	80	21	25	3†	3	2.32	.....	1.05	10-11	0	5	8	15	7	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	49.8	− 4.1	78	30	25	2†	69	9.13	+5.75	3.66	21-22	0	16	4	4	22	e.	John H. Patterson
Jefferson City	Cole	557	54	51.2	− 4.8	83	30	26	5†	62	7.08	+3.10	2.73	10	0	14	8	8	14	e.	Mrs Frank Kliegel
Joplin	Jasper	1,008	22	56.0	− 2.5	84	21	30	5	39	5.57	+0.87	1.62	10	T.	10	13	0	17	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	51.8	− 3.6	80	30	24	5	13	4.82	+1.84	2.48	10	0	10	8	8	14	ne.	W. S. Frame
Lamar	Barton	980	56	52.0	− 4.6	83	21	24	6	63	5.95	+1.43	1.85	10-11	0	10	14	5	11	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	51.2	− 4.3	80	21	23	3†	57	3.75	−0.60	1.44	11	0	10	6	11	13	se.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	49.8	− 4.8	77	30	25	2	60	9.87	+6.07	3.48	21-22	0	18	9	12	9	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	54.8	− 1.7	84	21	24	5	48	4.04	−0.49	1.05	10	T.	10	8	17	5	sw.	Hubert A. Nieman
Marshall	Saline	779	57	52.0[b]	− 2.8	79	28†	27	2	54	8.62	+4.73	2.25	21-22	0	9	5[b]	11[b]	12[b]	se.	Mrs. Merrel Peace
Mountain Grove	Wright	1,468	43	54.0	− 0.9	77	9†	25	3†	47	3.39	−1.13	1.80	10	0	12	3	23	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	52.0[a]	− 4.1	83[a]	21	24	3	44	4.67	+0.22	0.91	10	0	9	11	6	13	se.	James C. Williamson
Neosho	Newton	1,011	57	56.4	− 1.9	83	21†	19	5	61	4.70	+0.14	1.40	9-10	0	13	8	12	10	s.	U. S. Fisheries Station
Nevada	Vernon	862	51	55.1	− 0.6	80	21†	25	3	52	7.78	+3.49	4.08	10	T.	12	10	8	12	ne.	Henry Kraft
Ozark Beach	Taney	700	4	54.9	.....	84	9	22	5†	19	1.97	−2.50	0.73	8-9	T.	10	3	11	16	sw.	A. J. Sharp
Sedalia	Pettis	910	31	51.6	− 3.7	80	30	22	5	33	12.77	+9.04	3.70	10	0	12	11	5	14	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	56.0[a]	− 0.6	80	21	28[a]	3	41	5.33	+1.27	1.52	8	0	12	10[b]	13[b]	5[b]	sw.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	53.0	− 2.7	77	21†	23	3	38	2.01	−2.31	0.54	10	0	9	9	8	13	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,201	56	52.2	− 3.0	79	21	24	5	56	3.84	−0.02	1.58	10-11	T.	14	3	11	16	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	50.3	.....	79	30	21	3†	3	7.75	.....	2.31	22	T.	17	7	12	11	e.	H. F. Nelson
Warrensburg	Johnson	878	57	52.2[a]	− 3.9	78	30	27	5	64	9.85	+6.19	3.62	21-22	T.	11	10	7	13	nw.	Central Teachers College
Warsaw	Benton	687	43	53.7	− 3.0	82	30	21	5	49	8.80	+4.34	4.01	10-11	0	14	10	7	13	w.	Dora B. Johnson
Wasola	Ozark	1,294	3	54.6	.....	79	9†	26	5	4	3.89	.....	1.03	10	0	8	7	16	7	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	52.8	− 3.2	85	21	19	5	..	5.78	+1.66	5.27	21-22	0	12	8	10	12	se.	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	55.6	.....	78	15	24	5	7	8.13	.....	3.38	10-11	0	11	4	10	16	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	52.4	− 2.9	78	20†	22	5†	66	4.23	−0.59	1.70	23	0	7	12	4	14	c.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	54.6	− 2.5	78	21	19	5†	50	6.46	+1.70	2.75	22	0	11	12	11	7	sw.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	53.0	− 2.0	78	21	17	5	51	4.75	−0.14	1.83	10-11	0	13	5	17	8	sw.	Claude Volner
Campbell	Dunklin	314	18	58.4	− 0.3	78	15†	29	5	18	10.03	+5.77	4.16	11	0	12	13	12	5	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	56.8	− 3.4	80	22	29	5	52	6.94	+2.42	1.77	10-11	0	10	11	8	11	sw.	Victor T. Malloure
Crystal City	Jefferson	420	10	56.4	+ 1.4	80	23	21	5	10	7.27	+3.63	4.30	22-23	0	13	9	8	13	sw.	Richard K. Ragland
Doniphan	Ripley	314	40	58.2	− 0.3	82	15†	20	5	40	8.78	+3.85	4.46	22-23	0	11	17	6	7	ne.	Boyce Lackey
Farmington	St. Francois	896	33	54.5	− 2.4	76	20†	25	5	47	5.32	+0.80	2.27	10-11	0	11	5	8	17	s.	F. M. Karsch
Greenville	Wayne	581	35	56.9	+ 0.3	79	15†	20	5	37	4.84	+0.14	2.21	10	0	11	12	7	11	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	56.8	− 0.3	80	15	22	5	54	8.27	+3.93	3.00	23	0	12	8	5	17	s.	John G. Putz
Koshkonong	Oregon	958	43	57.0	− 1.5	79	20	27	5	44	5.97	+0.95	1.81	22-23	0	10	15	8	7	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	54.3	.....	80	9	17	5	7	2.19	.....	1.10	10-11	0	6	12	7	11	s.	U. S. Forestry Service

Continued on next page

Climatological Data for April 1944—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	57.6	.....	80	15	29	5	1	9.07	.....	4.76	10-11	0	13	7	6	17	s	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	56.2	− 1.0	89	15	20	5	51	7.33	+2.81	3.12	22	0	9	13	8	9	s.	R. A. DeWitt
Poplar Bluff	Butler	339	39	57.8	− 1.7	81	21	25	5	40	10.90	+6.39	3.80	11	0	9	9	17	4	s.	Joe Rochin
Rolla	Phelps	1,202	44	52.8	− 3.1	80	30	25	5	60	4.51	+0.29	1.35	22-23	0	12	7	13	10	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	53.8	− 2.3	78	30	30	5	107	8.82	+5.01	6.29	22	0	14	4	11	15	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	52.6	− 2.2	78	30	26	5	13	9.51	+5.92	4.15	22	0	12	2	13	15	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	53.6	− 2.1	77	23	30	5	32	11.13	+7.27	7.78	22-23	0	14	9	7	14	se.	St. Louis University
Salem	Dent	1,173	40	51.4	− 4.6	77	22†	24	5	43	3.81	−0.69	1.35	10	0	10	10	9	11	s.	E. E. Martin
Sikeston	Scott	318	37	56.8	− 1.3	80	15	26	5	47	9.16	+4.54	5.29	10-11	0	10	12	9	9	sw.	William B. Seabaugh
Union	Franklin	520	6	56.2	.....	86	30	20	3	27	7.17	+2.81	3.25	22	0	8	11	5	14	n.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	8	51.9	.....	79	30	25	3	9	5.19	.....	1.42	22-23	0	11	5	8	17	nw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	56.2	.....	80	15	27	5	5	10.09	.....	3.97	22-23	0	11	7	18	5	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	55.0	.....	78	23†	23	5	4	5.40	.....	2.08	10-11	0	7	8	15	7	s.	William J. Miller
West Plains	Howell	1,005	7	54.2	.....	79	21	22	5	7	6.10	.....	....	..	T.	10	6	12	12	se.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	52.2	.....	79	21	21	5†	37	3.85	−0.99	0.90	22-23	0	9	6	12	12	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	57.9	− 1.2	78	23	30	5	73	6.50	+2.78	3.79	10-11	0	12	7	6	17	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	55.2	− 1.7	89	15	17	5	..	6.57	+2.20	7.78	22-23	0	11	9	10	11	s.	
State means	**and extremes**	.....	..	52.2	− 3.1	89	15	16	5	..	6.68	+2.70	7.78	22-23	0	13	8	9	13	s.	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Bireh Tree; Macedonia Lookout is Douiphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for April 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Lakeside (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	51	41	39	38	40	44	50	52	56	60	54	48	53	52	50	40	44	46	57	54	60	62	62	51	58	55	52	56	62	65	..	51.8
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.077	.193	.145	.142	.155	.107	.185	.160	.068	.055	.084	.159	.130	.181	.097	.038	.048	.044	.068	.100	.172	.....	.....	.290	.063	.125	.050	.073	.169	.186	....	3.604
	Mean temperature	52	39	40	38	40	48	62	55	63	56	60	47	51	58	55	40	44	50	54	59	66	60	68	52	57	60	54	56	62	67	..	53.8
	Wind movement	40	83	90	78	72	31	93	46	28	68	84	95	43	69	63	68	45	62	34	43	39	61	55	109	50	43	88	58	42	58	..	1,838

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

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shortage of farm labor, made for a decidedly gloomy agricultural outlook, as the month closed. A prolonged spell of warm, dry weather was urgently needed to prevent a very serious curtailment in crop production.—M. R. W.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 52.2°, or 3.1° lower than the 57-year April average The highest monthly mean was 58.4° at Campbell, and the lowest was 44.8° at Unionville. The highest temperature reported was 89°, at Marble Hill, on the 15th, and the lowest was 16°, at Albany, on the 5th.

PRECIPITATION

The average for the State, 199 stations reporting, was 6.68 inches, or 2.66 inches more than the 57-year April average. The greatest monthly amount was 12.77 inches at Sedalia, and the least was 1.08 inches at Tecumseh. The greatest amount reported in 24 hours, was 7.78 inches, at St. Louis University, on the 22-23d. The average number of days with 0.01 inch, or more, was 13.

Snowfall was of no consequence this month, only three stations reporting measurable amounts as much as one-quarter of an inch. Most stations reported none at all.

MISCELLANEOUS PHENOMENA

Floods.—In Black River on 24-25th. In Bourbeuse River on 24th. In Current River on 24th. In Grand River on 11th and continued into May. In Meramec River on 12-14th; 23d-26th; 29th and continued into May. In Mississippi River continued from March to April 10th; April 12th and continued into May. In Missouri River on 12th and continued into May. In Osage River on 11-18th; 25th and continued into May.

Fogs.—Heavy, 7th, 8th, 9th, 10th, 11th, 13th, 19th, 21st, 22d.

Frosts.—Light, 3d, 5th, 6th, 12th, 13th, 14th, 25th, 28th; heavy, 3d, 6th, 12th, 13th; killing, 2d, 3d, 4th, 5th, 6th, 12th, 13th, 17th.

Glaze.—17th.

Hail.—Light, 6th, 7th, 8th, 9th, 10th, 11th, 14th, 15th, 17th, 18th, 19th, 21st, 22d, 26th, 30th; moderate, 10th, 14th, 17th, 21st; heavy, 13th, 14th, 21st, 22d, 26th, 30th. (See special hailstorm notes.)

Sleet.— 4th, 11th, 15th, 17th, 18th.

Tornadoes.—14th (See special tornado notes.)

Windstorms.—10th, 21st, 22d, 23d (See special windstorm notes.)

HAILSTORMS

Three occurrences of moderate hail occurred from one to five miles east of Eminence, Shannon County, during April. The

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Daily Precipitation for April 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand									.25	.75	.85			.22	.52	.01	.09	.60	.01	.31	1.68	.71	.84	.21	.02	.73				.11		7.91
Amity[2]	....do							.10		.10	.83	1.56	.03			.36	.20	.10	.55		.18	.02	3.45	.92	.10		.45	.53			.03		9.51
Bethany	....do									*	*	1.19			*	.60					.22	2.20	.70	.84			.57				.12		6.44
Bowling Green[2]	Mississippi									*	.18	2.42	.10			.53	.06		.26				1.67	.88			.07	.59					6.76
Brookfield[2]	Grand							.75			.30	1.16	.05			.46	.35		.15				1.48	1.52	.59		.10	.06			.33		7.30
Brunswick[2]	....do							.21		.06	.25	1.70	.32			.42	.15		.27		T.		.83	1.10	.36		.07	.14			.26		6.16
Canton, Lock No. 20[2]	Mississippi							.76		T.	.09	3.03	.10		T.	.43	.16		.11		.06		1.21	1.06	.16		.05	.33			.21		7.79
Centralia[2]	....do							T.		T.	T.	2.24	.18			.17	.09		.18				1.31	1.29	.14		.09	1.41			.40		7.50
Chillicothe[2]	(A).. Grand							.19		T.	.33	.91	T.		.04	1.24	.17	T.	.12		T.	T.	1.03	2.06	.17		.24	.34			.09		6.93
Chillicothe[2]	(B).... do							.30		.02	.10	1.53	.02		.02	1.58	.25		.14		.02		.80	2.45	.12		.20	.33			T.		7.88
Clifton Hill	Chariton							.48		.07	2.00	.43			.20	.72	.07	.30	.10		.01	.15	1.09	.84	.38	.04	.14				.35		7.40
Columbia[1, 5]	Missouri							.01	T.	.13	2.72	.15	.01	T.	.27	.08	T.	.24		.01		.89	2.69	.07	.01	.02	1.66			.01	.56		9.53
Conception	....do									.14	1.31	.83			T.	.81		.07	.58	.05	.42	.86	.74	.86	.15	T.	.74				.13		7.69
Edgerton	....do						.04			.10	.93	.97			.43	.25	.10	.15	.05	.12	.15	.37	1.37	.30	T.	.05	.45			.25	T.		6.08
Edina[2]	Mississippi							.62			.05	2.18	.07			.53	.15		.10		.10		1.02	1.38	.12		.11	.14			.38		6.95
Elsberry	....do									.20	1.02	1.68			.12	.08		.17				1.56	2.80							.20		7.83
Elsberry S. C. S.[2]	....do									.17	.08	.76	.02		T.	.18	.10	T.	.34	T			2.63	1.88	T.			.11			.12		6.39
Farber[2]	....do									*	.11	1.97	.26		T.	.13	.01		.22	T.	.01	T.	1.79	*	1.34	T	.07	1.02			*		6.84
Fayette	Missouri							.03		.13	2.53	.81			.27	.11		.12	.03			.31	3.07	.78	.30	.03	.51				.38		9.41
Fulton[2]	....do		.02							.40	.19	2.07	.04			.45	.07		.11				1.36	.54	.02		.10	1.00			.13		6.60
Gallatin[2]	Grand							.27		.05	.26	1.10			.03	.51	.31		.22		.12		1.96	.81	.22		.18	.05			.06		6.15
Grant City	....do							T.		.15	1.01	.89			.18	.27	T.	.08	.64	.06	.30	1.36	.57	.58	.14	T.	.60				.11		6.94
Hannibal[1]	(A).. Mississippi							.42		.02	2.40	.40			.45	.02	T	.12	.11		.12	.79	1.46	.23	.02	T.	.68	.03			.73		8.00
Hannibal[2]	(B).... do							.73		T	T.	2.16	.58		.05	.74	.03		.23		.18		1.47	1.62	.03		T	.77			.55		9.14
Hermann[2]	Missouri	.05								.25		1.67	.10			.46	.12		.08				.99	2.42			.02	.20			.04		6.26
Kahoka[2]	Mississippi							.68			.06	.76	.12			*	.12		.10				.38	.65	.12		*	.38			.06		3.43
Kansas City Airport[1, 5]	Missouri						.19		.02	.23	1.81	.42			.27	.22		.08		.26	T.	1.91	4.28	.10	T.	.14	.21			.06	.37		10.57
Kansas City University	....do						*	.16	.02	.20	1.75	.40			.20	*	.20	*	.06	.23	T.	1.71	4.30	.09	T.	.10	*	.19						9.61
Kidder[2]	Grand							.11			.42	1.32	.02			.54	.20		.27			.03	.93	1.03	.20		.28	.10			.05		5.50
King City	Missouri							.01			1.07	.93				.61	T.	.42	.45		.19	1.76	.99	.61	.14			.86			.06		8.10
Kirksville	Mississippi						T	.39		.03	1.33	.71	.01		.17	.38	.01	.01	.06		.03	.09	1.40	1.77	.17	T.	.24	.04			.35		7.19
LaBelle[2]	....do							.83			.16	2.50	.11			.58	.12		.10	T	.09	T.	1.27	1.37	.17		.05	.28			.32		7.95
Lawson	Missouri						T.	.42		.19	1.01	.63				.33	.18			.11		.06	.10	.18	2.08	.55	.06	.07	.20			.10		6.27
Linneus[2]	Grand	*	.10					.20		.01	*	1.50	.05		.03	*	.80		.04				1.25	*	2.03		.30	.11			.51		7.04
Louisiana[2]	(A).. Mississippi							.23		.01	.01	2.75	.10			.40	.05		.04				1.73	.84				.48			.07		6.73
Louisiana[2]	(B).... do							.23		.02	.10	2.70	.06			.47	.06		.31		.02		1.45	.85	T.		.03	.34			.09		6.73
Lucerne[2]	Grand							.05		.13	.03	1.04			.11	1.02	.04		.22		.14		1.66	.92	.12		.17	.20			.30		6.15
Macon[2]	Chariton							.20		T	T	2.20	.48		.01	.50	.15		.09	T.	.05		1.42	1.45	.42		.06	.03			.38		7.41
Madison[2]	Mississippi							.42				3.07	.13			.31	.09		.19		.05		1.78	1.77	.47		.06	.34			.39		9.10
Maryville	Missouri									.10	.93	.90			.07	.14	.01	.11	.15	.06	.46	.66	.59	.80	.23	.02	.29				.07		5.53
Memphis[2]	Mississippi							.41			.06	1.29	.16			.70	.11	T.	.17		.10		.58	2.06	.21	T.	.09	.28			.33		6.55
Mexico[2]	....do							.32		.33	2.45	.50	.10	.08	.51	.42			.45	.03	.10	.02	2.52	1.37	.26	.15	.17	1.56	.10		.16		11.66
Milan[2]	Grand							.55			.18	1.17	.12		.10	.83	.08		.07				3.50	2.05	.17		.13	.08			.57		9.60
Moberly[2]	Mississippi							.35	T.			2.75	.23	T.		.46	T		.30	.04			1.70	1.06	.42		.05	.15			.59		8 01
Monroe City	....do							.27		.41	3.15	1.51				.12	.07		.13	.18		.10	1.92	.96	.04		.36				.19		9.41
New Florence[3]. 1 mi SE	Missouri	.07					T	T		.20	1.97	T.	T			.31	.29		.12		T		.92	1.41	.12	T.	T	.30	T.			.86		6.54
Oregon	....do							.15		.20	1.12	.88				.20	.68	.12	.25	.20	.12	.48	.98	1.15	.68	.03	.07	.49				.11		7.91
Palmyra	Mississippi							.4		.05	1.32	*	.40		.34	1		.10				.11	.07	2.87	*	.19	T.	.21				1.72		10.20
Paris[2]	....do							.50		.07	.06	4.27	.20				.23	.09		.18		.03		2.75	1.32	.13		.05	.76			.25		10.89
Perry	....do							.2		.10	.95	1.65	.10		.16	.10		.20	.10		.06	.17	1.85	1.35			.90	.20			.20		8.35
Philadelphia[2]	....do																																
St. Charles[2]	Missouri								.06		.36	2.36	.05			.79	.27	T.					2.56	2.27			.02				.09		8.83
St. Joseph[1, 5]	....do						.07			.13	2.50	.01			.44	.28		1.61	.01	.30		2.64	1.76	.13		.40	.40			.08	.06		10.88
Saverton, Lock No. 22[2]	Mississippi							.37		.03	.03	2.29	.44		.07	.54	.07	.01	.21		.06		2.33	1.85	.01		.02	1.28			.15		9.76
Shelbina	....do							.29		.07	1.93	1.30	.02		.29	.25		.13	.06			.18	2.21	1.35	.22	.04	.22				.65		9.21
Shelbyville[2]	....do							.58				2.64				.44			.18				1.28	1.53							.65		7.23
Steffenville	....do							.53		.05	1.83	1.02	T.		.35	.15	.03	.03	.02	T.	.04	.02	1.50	1.25	.14	T.	.28	.02			.62		8.18
Tarkio	Missouri																																
Trenton	Grand							.17		.14	*	1.34			.39	*	.3	.03			.06	*	3.14	.87	.06	*	.07	.01			.68		6.70
Troy[2]	Mississippi	.02									.32	2.70	.02			.30	.15		.16				2.20	1.30	T.		T.	.08			T		7.25
Unionville[2]	Chariton							.21		T	.06	1.39				1.08	T.		.18		.04		1.20	.97	.06		.14	.32			.35		5.95
Warrenton	Mississippi	.10						.08		.39	1.48	1.11			.20	.47	.03	.07	.06				1.85	.60	.03		.22	.04			.04		6.77
Keokuk Iowa[1]	....do						.15	.41		.02	1.45	T.			.78	.01		.02	.07	T	.09	.67	1.45	.26	.05	.02	.39	.03			.57		6.41
Southwestern Division																																	
Altona[2]	Osage									.50	.88	2.30	.20			T.	.21		.05		.15		1.68	.87	.15		.08	T.			.32		8.39
Anderson[2]	1½ mi. SW Neosho							1.04		1.66	.72	.95			T	.09					.50			.35	.01		.03				1.03		6.38
Appleton City	Osage				T.					.50	2.00	.20			.10	.09		.05		.10		*	2.65	1.10		*	.65			*	.30		7.74
Ava Ranger Station[2]	White					.10			*	.40		.10				.25					.09			.25							.32		1.81
Bakersfield[2]	....do									.62		1.60												1.60									3.82
Bolivar	Osage								.03	.03	1.07	73	T.		.32	.03	T.	.08		.10	.02		.09	.11	.02		.27				.21		3.11
Boonville[2]	(A).. Missouri									.09	.44	2.22	.92			.33	.06	.10	.20		.04		2.10	1.56	.50		.13	.54			.17		9.40
Boonville[2]	(B).... do									.10	.28	2.85	.88			.28	.06		.36		.02		1.65	2.10	.33		.12	.64			.20		9.93
Buffalo[2]	Osage									.15		1.50	.30			.57	.05		.06		.11			.35			.08	1.83			.20		5.19
Butler[2]	....do									.50	1.00	1.19				.23		.10			.20		1.52	1.50	.10		.14	.44			.21		7.13
Caplinger Mills[2]	....do									.84	.67	2.14				.27	.10		.03		.15			.10	.37	.04			1.92			.38		7.31
Carthage	Neosho							.70		.56	1.02	.10				.07			.08		.30		.18	.20	.65	.03		.70			.12	.65		5.36
Clinton[3]	Osage							.16		.41	2.10	.38				.23	.09		.05		.04		2.65	1.60	.21		.2				.17	.20		8.72
Concordia	Missouri						.07			.42	1.58	.85	.02		.55	T.	T.	*	.19		.05	.26	3.00	*	1.09	T.	.20	.15			1.77		10.74
Crocker	Osage									T	1.03	.97				.16	.40				.23		.04				1.78	.07					4.68
Eldon[2]	Missouri									.54	.32	2.00	.13			.34	.06		T.		*	.03		.56	.06		.02	1.01			.39		5.51
Eldorado Springs	Osage				T.					.37	2.41	.14			.05	.29		.05	.02	.15	.05	T.	.72	.33	.04		1.03			T	.49		5.97
Elijah	White				T.				1.43	.15	.48								.03		.83			1.56			.34						4 82
Fort Leonard Wood[2]	Gasconade									T.	*	1.65	T.			T.	T.		T.		T.		.32	.58				.37			T		2.32
Galena[2]	White							.02		1.20	.13	1.28									.46			.22			.01				.65		4.00
Granby[2]	....do									.88	1.65	.90									.51		.16				.12				.09		4.91
Hailey	....do	.31			T.			.74		.27	1.49								T	.29	T		.01			T.	.32				.84		4.30
Harrisonville[2]	Osage									.56	.61	1.48	.51			.51	.02	.12	.07		.16	.34	3.66	.63	.05		.23	.02			.14		9.13
Jefferson City[2]	Missouri	.05								.36	.35	2.38	.05			.42	.08		.02				1.35	.85	.02		.02	1.02			.11		7.08
Joplin[1]	Neosho	.07							1.13		1.62	.12								.45		.04	.64			T.	.17			.53	.79		5.57
Lakeside[2]	Osage	T.			T.			.01		.33	.40	2.08	.05			.21	T.		T.		T.		T	.30	T.		.05	1.17			.22		4.82
Lamar[2]	Neosho									1.65	.60	1.85				.10			.05		.30		.30	.85				.20			.55		5.95
Lebanon[2]	Osage									.32		1.44	.06			.10	T.	T.	.10		.08			.59			.03	.91			.12		3.75
Lexington[2]	Missouri							.05		.16	.61	1.28	.39		.12	.10	.07	.07	.13		.06	.47	3.08	2.24	.29		.22	.10			.07		9.87
Lockwood	Osage				T.			.57		.22	1.05	.45			.07			T.		*	.34		.95	T.			.18				.20		4.04
Macomb[2]	White									.33	.03	.17				.05					.09			.38				.82			.04		1.71
Marshall	Missouri										1.80	.70			.56	T.		.15			.50		2.25	1.16	T.		.50				1.00		8.62
Marshfield[2]	White		T							1.41		1.60	.04			.88			.02		.10			.50			.02	T.			.18		4.78
Mountain Grove	....do		.03					T.	.35	.06	.10	1.70				.16	.02				.15			.45			.38	.02			.07		3.39
Mount Vernon[2]	Neosho								.76	.36	.91	.65						.73			.33			.32			.10				.45		4.67
Neosho	....do							.02	1.21	.12	1.10	.18				T		T	.06	.12	.28		.18	.28	.02		.17			T.	.66		4.70
Nevada	Osage				T.				T.	.54	1.08	.23			T.	.12		T.		.25	.06		.43	.87	.03		.78			.05	.33		7.78
Osceola[2]	....do									.40	.70	2.12	.10			.10	.15		.02		.08		.61	.21	.15			.50			.30		5.47
Ozark Beach[2]	White					.06		.02	.15	.58		.10									.23			.30			.03	.19			.31		1.97
Pierce City[2]	Neosho									.68	.90	.67	.03			.09			T.		.43			.26	.02		.03	.25			.61		4.03
Pineview Lookout[2]	White				T.	T.		.04	.50	1.26		1.00							.04		.45			.35			.05	.40			.75		4.84

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Stations	Drainage Basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division – Concluded																																	
Pleasant Hill[2]	Osage							.10		.53	.77	1.05	1.40			.24	.04	.14	.06		.12	.03	5.27	2.06	.09	T.	.26	.04			17		12 37
Roby	Gasconade	T	.04					T.		.07	1.07	.29	.02		.03	.33	T.	.01	.03	.06				.42	T		.36	T.			05		2 78
St. Thomas[2]	2¼ mi SW Osage									.27	.28	2 19	.26			.23	.09		.09				.33	.73				1.09			.09		5 64
Sedalia	Missouri									.33	3.70	1.90			*	.35		T.	.02		.01	.02	3 50		2.20		.57	T			14		12 77
Seligman	Neosho							.75	1.52	.31	.09	.01			T.			T		.54	.07		.11	.30			.03			20	71		5 53
Seymour	3½ mi. NE White		.01							.12	.27	.24	.30								.15			.30			.39				20		2 01
Shell Knob[2]	3 mi. SE ...do					T.	T.	.17	.73	.98		1.08									.48			.23			.02	T.			06		4 55
Siloam Sprgs Lookout[2]	...do									.91		.50									.65			.48			*	.86	1.00				4 40
Springfield[1, 5]	½ mi. E ...do	.01			T.			T.	.82	.18	1.57	.02	.01		.16	T.	T.	.09		.27	T.		.18	.03	T.	T.	.21	T		28	04		3 84
Stover[2]	Missouri										1.05	.95	.11			.18							1.75	.56			.24	.06			32		5 22
Sugar Camp Lookout[2]	White							.80	1.20	1.77	.84					.02					.56			.23		.06					91		6 29
Sweet Springs	Missouri							.02	T.	.40	1.47	.86			.27	.18	T.	.18	.04	.01	.03	.31	2.31	.77	.15	.02	.41	T			21		7 75
Tecumseh[2]	1¼ mi. W White									.36											.55							.65	.03		69		1 08
Topaz[2]	...do							.02	.70	.02	.38				T.	1.08					.12			.66		T.	.15	*	.22				3 65
Vanzant[2]	3¾ mi. SE do							.11	.47	.15	.67					.71				.20				.54		.09					67		3 02
Warrensburg	Missouri						T.	T.		.49	1.57	.88			T.	.51		.08	.02		.03		3.62	1.44		T.	1.00				21		9 85
Warsaw[2]	(A) Osage									.40	.57	4.01	*	.22		.15	.13		.06				2.45	.50		.12		.04	.02		13		8 80
Warsaw[2]	(B) ...do									.39	*	3.27	1.46			.05	.12		.07				2.52	.55	.13		T.				13		8 69
Wasola	White							.97		1.01	.02				.78						.31			.42			.26				12		3 89
Waverly[2]	Missouri							.10		.30	1.85	.65				.25	.11	T.	.15			T.	2.70	1.27	.10		.20	.10			14		8 12
Wilderness Lookout[2]	White							.27	1.78	.53		.82				.04			T.		.40			.23			.03				80		4 90
Southeastern Division																																	
Advance[3]	¼ mile W St. Francis	.01	T.					.01	.50	.92	3.32	.06				.20				T.		T.		.14		2.39	.37				21		T.		8 13
Alton	10 miles SE Black							.12	.83	.20	.32	1.83							.07		.99	.03	.69	1.80			.20				01		7 09
Annapolis	St. Francis								.10	.20	.25	1.0				.15				.05	.35			1.90			.25						4 25
Annapolis[2]	4½ mi. NW ...do								.05		.17	.02	1.13						.22		.04			.42				.70			.02		5 57
Arcadia[2]	...do								.22		T.	.08		1.25					.27					.27				1.70			.41	T.		4 23
Banner[2]	Black		.04									.11	1.90						.02					.03				2.35			.50			4 95
Belleview	Meramec	T.								.17	1.10	.85			T.	T.	.15				.10			2.25				.50					5 12
Birch Tree	½ mile E Black							.02	.72	.32	.04	1.55			.03			T.	.06		.04	T.	.57	2.18			.33						6 46
Black	9 miles NW ...do	.07						.11	.07	.24	.80	1.03	T.		.03	.08		T.			.17		.48	1.16			.47				02		4 75
Bunker[2]	4 miles NW ...do		.24							.27	.15	2.05				.13			.05		.23			1.64				.25					5 01
Campbell	St. Francis		.59					.82	.90	1.55	.80	4.12	.04		.07	.26			T.		.38	T.	T.	.31	T.		.49						10 03
Cape Girardeau[2]	Mississinpi		.06					.03		.03	1.14	3.35				.32			T.		T.			1.48			.01	.10					6 53
Caruthersville[2]	...do		.15						.28	.82	.40	1.77				1.03			.07		.55			.80				.77					6 94
Centerville[2]	Black		.16						.03	.19	.03	1.14				.17			.07		.25			2 37				.48			.01		4 90
Cook Station[2]	Meramec									.12		1.40	.10			.91			.12					1.17			*	.93			.23		4 98
Crane Mountain[2]	St. Francis		.10							.22	.03	1.18				.20			.03		.28			1.82				.41			.03		4 30
Crystal City	Mississippi							.05		.12	1.23	1.00	.03		.03	.18	T.	T.	.06		.01		3.21	1.06			.14	.09			T.		7 27
Cuba	Meramec									.19	1.54	.68			.19	.15	*	.05	.03					.70		T		*	1.13				4 66
Deering[2]	St. Francis		.14						.07	1.58	.17	1.84				.53			T.		.48	T.		.40	.03			.59					6 13
De Soto[2]	Mississippi							.03		.03	.40	1.80	.04			.33	.03		.06		.04			3.61				.33					6 70
Dexter[2]	St. Francis		.95						.08	1.51	.67	3.60				.79			.04		.25			.76				.35					9 00
Doniphan	Black							.55	.21	.39	1.46				T.	.46			.04		.73		.76	3.70			.46	.62					8 78
East End[2]	Meramec									.05		2.05				.22					.12			1.43				.47			.15		4 49
Eastwood Lookout[2]	Black							.05	.65	.65	.71	1.76				.16			.05		.85			2.42				.35			.13		7 84
Ellington[2]	...do		.08						T.	.27	.03	1.38				.12			.05			.48		2 85				.56					5 82
Ellsinore Lookout[2]	...do							T	.55	.72		3.28				.18			.16		.48			2.65	.10		.12	.60					8 84
Farmington	St. Francis	T.							T	.18	1.00	1.27			.02	.14			.05		.10		.31	1.55			.51	.19					5 32
Fisk[2]	...do		.72					T.	.11	.93	T.	4.71				.11	T.	T.	.04		.17		T.	1.19			T.	.43					8 41
Fredericktown[2]	...do		T.							.10	.05		1.62			.05					.18			2.42				.65					5 07
Gerald[2]	Meramec									.18	.22	2 30	T.			.55	T.						1.62	2.38				.64					7 90
Greenville	St. Francis								.17	.18	.45	1.76				.08			.02		.39		.27	1.35	T.		.14	.03					4 84
High Lookout[2]	Black							T	.73	.86	.15	1.38				.16			.06		.75	T.	T.	2.63			T.	.40					7 12
Jackson	Mississippi							.02	.05	.88	.65	2.31				.31			.02		.04		.96	3.00			.02	.03					8 27
Jefferson Barracks[2]	Mississippi								.02	.22	*	1.78	.02				.02		.04		T		.78	3.73	T.	T.	T.	.22			T.		6 83
Jerome[2]	Gasconade									.28		.80	.30			.15			.05					.15	.65		.01	1.50			.04		3 73
Koshkonong	Black		T.					.53	.90		.07	1.02			T.	.23			.06		1.03		.43	1.38			.32						5 97
Leeper[2]	...do								T.	.19	.05	1.95				.08			.07		.52			1.82			T.	.27			.01		4 96
Licking	4 miles N Gasconade										.40	.70			.18	.28					T.			.53			.10	T.					2 19
Macedonia Lookout[2]	Black							.10	*	.43	*	1.50				.36					.80			3.20			*	.40					6 79
Malden[2]	4 miles NNW Mississippi	.58	.01					.11	1.33	.87	1.63	.13			.15		T.	T.	T.	.04	.39	T.	.25	.17		T	.41				T		9 07
Marble Hill	...do									.96	.53	1.50				.29					.20		.41	3.12			.11	.21			T.		7 33
Meramec Park[2]	Meramec									.21	.08	1.81	.12			.61	.07	T.	T.				.16	1.75		T.		.47					5 31
Morehouse	Mississippi		.64					T.	.36	.95	.76	4.81				.04	.39				.20			1.31			.30						9 76
Moselle[2]	Meramec									.16	.40	2.13	.07			.70	.06		.03				.75	4.15				.27					8 72
New Madrid[2]	Mississippi		.60						.14	.48	.02	1.70				.21			T.		.37			.14	T.			.55					4 21
Owensville[2]	Gasconade							T.	T.	.17	.40	1.46	.07		T.	.64	.08		T.		T.	T.	1.15	1.30	T.	T.	.02	1.26	T		T.		6 55
Pacific[2]	Meramec									*	.28	2.55	.20		T.	.70		T.	T				1.42	2.70				.10			T.		7 95
Parma[2]	St. Francis		.69						.13	1.23	.38	3.83				.20					.58			.63				.41					8 08
Perryville	Mississippi	*	.09								.40	.49	1.08	T.		.15	.04	T.	.32				.20	.89			.20	*	1.12				4 98
Pilot Knob[2]	2 mi. NE St. Francis		.13						.01	.06	.07	1.44					.16				.20			1.73				.58		T.	T.		4 38
Poplar Bluff[2]	(A) Black		1.10						.08	1.50	.30	3.80					.35		T.		.45			2.65				.57					10 90
Poplar Bluff[2]	(B) ...do		1.25						.05	1.56	.36	3.80					.29		.02		.43			2.44	.02			.55					10 77
Reynolds[2]	...do		.09							.34	1.35						.22		.08		.25			2.20				.53			.13		5 19
Richwoods[2]	Meramec									.15	1.00	2 65					.60		.02				*	1.58			*	.40					6 40
Rolla[2]	...do									.12	.25	.75	.32				.27	.12	.07				.15	1.20	.03		.10	1.13					4 51
Round Spring[2]	Black		.07							.11	.92						.12		.07		.31			1.49	.04			.37					3 80
St. Louis City Office[1, 5]	Mississippi	T.					T.	.01	.05	.38	1.48	.03				.38	.01		.02	.01	.01		5.83	.47	T.	T.	.05	T.			.06		8 82
Airport[3]	Missouri	.01					T.	.25	T.	.36	2.42	.08	T.			.91	.37	T.	.11		T	T	T.	4.15	.32	T.	T.	T.	.06			.47		9 54
St. Louis Univ.[1, 5]	Mississippi	.02					T.	.06	.02	.46	1.99	.05				.33	.06		.04	T.		.01		7.29	.50			.08				.12		11 13
Washington Univ.[2]	... do									.44	.21	.14	2.14	.06			.44	.14		.03				3.78	3.77			.01	.07			.05		11 28
Salem[2]	Meramec		.01							.09	.14	1.35					.80	.04		.08		.05			.84	T.			.38					3 81
Sikeston[2]	Mississippi		.74						.01	.42	.68	5.29					.25					.19			1.28	T.			.26			.01		9 16
Steelville[2]	Meramec									.01	.95	1.00	T.				.05								1.01	T.	T.		1.01					4 03
Summersville	Black		T.						.43	.06	.10	.89			T.	.26		T.	T.		.35			1.01			*	.35					3 45
Union	Meramec									.16	1.38	.89			.20	.42								3.25	.70			.17					7 17
Valley Park[2]	...do									.08	.20	2.00	.05			.67	.05		T.					2.20	3.00			T.	T.			T.		8 25
Van Buren	Black								.30		.37	.77									.65			.85	1.35			.38						4 67
Vichy[3]	2 miles NW Meramec							T		.02	1.21	.23	T.		.60	.05		.02		T.			1.17	.25	T	.05	.74	T.			.85		5 19
Wappapello Dam[2]	St Francis							.01	.03	1.31	.40	3.48				.10			.01		.83			3.97	.01		T.	.41			T.		10 09
Weingarten	Mississippi										.22	.56	1.52								.10		.75	1.50				.75					5 40
West Plains[3]	Black	T.	T.		T.			.17	.66	.07	1.50	T			T.		T.	.02		.83		T	1.86	.21			.68	T.		T.	.10		6 10
Williamsville[2]	...do							.01	.05	.42	.08	1.86				.52					.50			2.12				.44					6 00
Willow Springs[2]	500 ft E White								.05	.57	.06	.72				.29			.10		.41			.90				.75					3 85
Winona Ranger Sta.[2]	Black		T.					T.	.07	.70	.11	1.24				.10			.10		.61			4.08				.51					7 52
Zalma	3½ miles S Mississippi		.02					.07	.16	1.03	.74	2.45				.01	.17				.33		.14	4.04	.02		.19	.05			.01		9 46
Cairo	Ill.[1, 5] ...do	.55	.01					.03	.10	.61	1.82	1.97			.26	T	T.	T.			.10	T.	.34	.47			.21	T.			T.		6 50

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage.

Daily Temperatures for April 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick /	Maximum	53	48	50	47	56	66	65	69	66	54	52	58	69	64	50	43	45	48	62	58	61	75	65	53	56	58	59	67	74	76	..	58.9
	Minimum	25	26	25	26	26	26	31	38	38	50	46	34	34	38	48	35	35	34	43	45	41	43	57	42	40	40	48	43	44	47	..	38.3
Chillicothe /	Maximum	50	47	49	47	56	67	59	69	64	50	45	57	69	64	59	43	42	49	57	57	59	68	64	51	54	54	59	67	74	78	..	57.6
	Minimum	28	24	24	25	24	25	32	37	38	44	43	31	31	37	48	34	34	35	39	44	40	42	55	40	38	46	43	42	45	41	..	37.0
Columbia	Maximum	60	47	52	46	54	65	73	64	68	58	54	55	68	63	52	41	44	50	65	59	69	69	68	52	68	58	57	67	78	82	..	60.2
	Minimum	37	28	26	32	27	34	50	43	54	47	37	36	41	52	38	35	34	43	46	45	43	58	47	44	40	48	41	44	51	55	..	42.0
Fayette	Maximum	57	50	50	47	54	68	71	67	67	60	54	56	68	66	48	42	42	49	63	61	65	70	65	51	63	57	57	67	75	79	..	59.6
	Minimum	43	26	23	30	24	28	46	37	52	45	41	32	34	47	40	34	33	40	43	48	39	56	50	40	38	52	46	42	46	54	..	40.3
Grant City	Maximum	55	47	50	47	55	65	66	70	61	58	45	68	67	64	54	42	40	44	50	54	50	57	65	49	57	55	54	68	67	69	..	56.4
	Minimum	36	18	21	30	19	30	34	42	49	39	36	29	34	49	33	33	30	33	40	43	35	47	46	38	33	46	40	50	48	46	..	36.9
Hannibal	Maximum	54	45	51	43	53	66	69	62	62	55	53	54	65	60	55	41	42	52	63	58	58	68	73	50	65	57	62	65	70	80	..	58.4
	Minimum	34	25	24	25	22	33	46	44	50	41	36	32	35	47	35	32	33	38	37	45	41	52	48	40	40	45	43	42	45	52	..	38.7
Kansas City Airport.	Maximum	54	48	52	49	58	70	65	71	69	56	50	56	71	68	49	42	45	48	52	58	61	67	61	59	57	57	58	68	74	78	..	59.0
	Minimum	37	28	28	32	26	39	49	45	52	46	39	34	42	49	35	35	36	38	43	44	42	53	40	42	47	48	47	44	51	57	..	41.6
Kirksville	Maximum	52	48	50	46	58	62	62	64	62	57	47	58	68	63	58	41	45	46	61	59	55	66	70	53	67	60	61	67	77	78	..	58.7
	Minimum	40	23	25	28	24	31	45	35	51	40	36	30	35	47	37	32	31	38	39	47	40	51	53	40	38	47	41	40	42	53	..	38.7
Lawson	Maximum	55	47	48	47	55	66	60	69	66	60	51	56	69	68	56	41	45	45	54	58	60	69	59	59	54	55	58	67	73	77	..	58.2
	Minimum	25	24	23	29	22	33	46	42	52	45	37	31	36	50	36	34	34	30	41	44	41	51	47	39	40	48	43	40	47	55	..	38.8
Louisiana /	Maximum	57	45	49	44	52	67	71	64	69	54	51	55	61	60	51	41	44	53	64	60	63	66	75	49	65	59	64	65	72	81	..	59.0
	Minimum	25	28	25	25	24	26	28	48	49	46	44	36	30	30	50	35	33	34	35	36	37	42	57	43	38	38	46	43	43	48	..	37.4
Macon /	Maximum	53	48	50	46	54	65	65	61	63	50	49	55	65	62	49	42	42	49	61	55	58	71	67	48	60	57	61	65	73	72	..	57.3
	Minimum	24	25	24	25	25	24	35	35	37	45	43	32	32	37	47	33	33	34	39	43	38	39	55	40	40	41	45	41	42	44	..	36.6
Maryville	Maximum	54	45	48	48	53	63	62	70	64	56	43	54	66	65	58	42	42	43	46	53	49	56	64	50	54	53	56	63	67	73	..	55.3
	Minimum	34	21	22	29	19	30	38	40	50	37	35	28	37	50	33	32	30	32	38	41	35	46	47	36	35	45	41	39	46	54	..	36.7
Mexico /	Maximum	60	49	52	45	56	68	75	67	70	54	52	56	69	63	50	41	44	50	65	61	66	69	70	50	66	58	60	69	68	82	..	60.2
	Minimum	27	27	25	27	25	29	34	37	38	37	38	32	35	40	45	34	35	34	40	46	40	47	50	41	41	47	44	41	45	49	..	37.7
Moberly /	Maximum	55	47	50	45	53	63	62	65	65	52	50	54	67	63	50	41	43	48	61	56	63	69	67	50	58	56	58	65	73	77	..	57.5
	Minimum	28	26	24	29	21	27	41	37	37	44	47	32	33	39	46	34	34	33	42	44	40	45	57	40	40	43	45	41	44	47	..	38.1
Oregon	Maximum	59	48	51	49	56	67	66	76	66	57	46	59	70	67	56	43	41	43	47	57	55	58	61	57	57	55	60	69	73	76	..	58.2
	Minimum	38	22	25	26	23	37	37	44	52	40	37	30	38	50	34	32	32	32	39	40	39	48	46	37	40	48	44	41	48	55	..	38.5
St. Charles /	Maximum	69	54	36	49	57	69	77	69	74	58	70	60	71	67	57	42	47	58	70	73	74	68	78	51	79	64	63	65	76	81	..	64.2
	Minimum	31	31	27	31	24	29	37	45	48	50	47	38	36	40	50	37	37	40	39	43	44	44	58	45	39	45	47	43	48	50	..	40.8
St. Joseph	Maximum	51	47	50	49	57	65	63	72	66	55	46	58	70	66	52	43	41	45	49	57	54	61	62	56	53	51	59	67	72	77	..	57.1
	Minimum	34	27	26	30	25	38	42	45	53	43	38	34	42	50	35	35	34	37	42	43	43	51	40	40	42	48	46	44	50	57	..	40.5
Trenton	Maximum	56	51	50	47	55	66	60	67	63	49	64	57	67	65	49	43	42	49	56	56	55	65	66	51	59	59	60	65	73	77	..	58.1
	Minimum	41	23	24	30	24	31	41	36	44	42	44	31	34	49	37	34	35	36	43	45	39	53	49	41	37	50	41	42	45	55	..	39.2
Unionville /	Maximum	50	49	50	47	56	68	55	66	59	46	42	60	72	55	47	42	45	45	58	55	58	67	69	47	63	49	64	70	76	75	..	56.8
	Minimum	20	19	18	20	20	20	26	34	33	40	37	28	28	32	44	31	30	30	35	40	36	35	52	38	36	36	40	40	40	43	..	32.7
Warrenton	Maximum	68	46	48	45	53	65	75	64	73	62	66	55	67	64	57	41	42	51	67	63	71	69	74	56	70	61	61	63	74	80	..	61.7
	Minimum	42	28	23	30	25	31	51	41	53	46	42	35	36	52	41	34	37	38	38	54	41	57	56	42	40	50	45	42	46	56	..	41.7
Keokuk, Iowa	Maximum	48	44	48	42	53	66	57	60	60	50	46	54	64	64	56	42	50	50	62	60	58	65	74	48	66	51	63	64	71	76	..	57.1
	Minimum	26	28	26	27	26	37	45	37	50	41	35	33	38	50	36	33	36	40	43	48	43	54	48	43	41	46	45	42	47	54	..	39.9
Southwestern Division																																	
Clinton	Maximum	62	48	53	52	56	68	72	68	73	58	55	57	71	68	52	42	49	53	61	60	74	70	60	58	70	62	59	71	75	80	..	61.9
	Minimum	39	30	27	33	26	33	47	43	52	50	38	33	37	52	37	36	38	42	44	46	45	57	43	43	45	50	48	44	47	58	..	42.1
Eldon /	Maximum	64	49	53	49	55	54	78	65	75	60	60	56	69	64	50	41	47	54	66	63	74	69	66	55	73	57	57	68	76	81	..	61.6
	Minimum	33	29	26	25	25	27	26	39	39	54	48	37	35	35	49	35	36	37	44	43	43	47	59	43	40	42	47	42	42	45	..	39.1
Harrisonville /	Maximum	60	51	54	52	55	70	69	68	72	57	50	57	70	69	47	42	48	50	57	59	67	71	56	60	65	60	60	68	73	78	..	60.5
	Minimum	34	25	25	26	25	27	36	44	45	53	47	32	32	39	45	34	32	34	38	43	44	48	55	40	42	47	41	43	46	49	..	39.0
Jefferson City / §	Maximum	65	50	53	48	55	65	75	66	75	69	62	58	69	63	51	41	47	52	65	62	75	68	68	53	74	59	57	68	77	83	..	62.4
	Minimum	31	29	28	28	26	26	32	39	39	54	49	35	36	37	49	36	36	39	43	43	45	59	43	43	44	47	44	46	49	49	..	39.9
Joplin	Maximum	64	48	52	48	56	72	75	64	76	70	60	57	73	73	60	43	61	52	66	64	84	79	66	63	79	66	60	71	74	79	..	65.2
	Minimum	48	36	32	36	30	40	62	53	57	60	42	37	45	59	43	38	40	40	43	46	53	60	47	46	47	56	51	47	54	58	..	46.9
Lamar /	Maximum	68	51	55	52	56	69	74	65	75	60	54	60	70	70	52	43	55	52	60	61	83	76	50	61	75	65	61	70	71	78	..	63.1
	Minimum	34	34	27	27	26	24	35	50	50	54	51	35	35	42	47	36	37	38	38	42	45	51	49	44	43	50	45	45	51	51	..	41.0
Lebanon /	Maximum	65	48	51	48	55	62	74	60	76	66	59	57	68	65	56	40	52	53	70	64	80	73	64	58	75	65	57	70	74	79	..	62.8
	Minimum	43	30	23	23	24	25	35	43	44	53	50	35	35	40	49	35	34	35	38	39	45	48	59	41	42	42	46	41	44	48	..	39.6
Lexington /	Maximum	59	51	52	51	57	65	65	70	70	54	49	58	71	67	48	43	46	48	58	60	63	71	59	56	58	58	59	69	76	77	..	59.6
	Minimum	32	25	27	29	26	28	36	42	45	49	46	33	35	43	46	35	36	36	41	44	44	46	57	41	43	49	46	44	48	50	..	40.1
Marshall	Maximum	58	51	48	55	65	66	67	..	67	54	54	54	63	70	63	48	47	62	..	68	73	70	69	61	58	57	67	79	74	79	..	[b]62.4
	Minimum	47	27	31	31	33	50	40	..	47	40	33	35	42	39	34	35	41	45	..	42	38	41	44	41	52	48	44	50	57	55	..	[b]41.5
Mountain Grove	Maximum	65	59	52	50	54	58	72	70	77	76	62	59	64	64	66	53	53	55	71	68	77	76	70	58	73	71	64	70	72	74	..	65.1
	Minimum	47	32	25	29	25	32	50	47	52	58	48	36	38	49	48	35	34	41	40	39	49	62	54	41	42	51	41	48	42	55	..	43.0
Neosho	Maximum	73	61	53	52	57	70	74	73	80	78	67	58	72	72	69	49	60	60	69	65	83	83	72	62	78	75	67	71	74	80	..	68.6
	Minimum	46	36	22	28	19	32	57	47	54	57	47	37	37	56	49	37	38	39	38	46	48	61	49	45	39	58	52	43	51	58	..	44.2
Nevada	Maximum	67	60	55	52	56	72	74	74	75	76	56	60	73	71	61	44	54	54	60	63	80	80	76	63	75	75	65	73	73	79	..	66.5
	Minimum	42	32	25	31	26	33	57	48	53	53	44	36	40	52	43	37	38	39	41	45	49	57	47	44	45	54	50	45	49	56	..	43.7
Sedalia	Maximum	60	54	51	50	54	65	72	70	70	67	54	55	71	70	58	44	44	52	62	62	70	70	66	55	70	65	60	68	76	80	..	62.2
	Minimum	42	27	27	30	22	32	52	42	52	46	40	32	37	52	41	33	34	40	43	46	41	55	47	40	40	50	45	41	45	54	..	40.9
Springfield .. ½ mile E	Maximum	61	50	51	48	52	65	73	58	74	70	57	56	66	66	58	40	52	51	69	62	79	75	63	58	73	61	62	68	73	78	..	62.3
	Minimum	43	30	25	29	24	34	51	48	54	54	38	36	41	50	39	34	35	38	36	46	50	62	43	42	41	50	45	44	50	55	..	42.2
Warrensburg	Maximum	62	56	50	52	54	65	65	64	70	70	54	55	69	69	..	45	46	52	61	61	69	72	69	56	68	67	59	70	75	78	..	[a]62.2
	Minimum	45	28	28	31	27	35	52	44	52	47	40	34	38	53	43	35	33	40	44	41	44	55	47	41	45	52	49	43	46	55	..	42.2
Southeastern Division																																	
Arcadia /	Maximum	70	52	55	53	58	65	74	65	74	65	71	61	66	69	76	44	58	60	73	78	75	74	77	63	78	68	60	70	76	76	..	66.8
	Minimum	31	34	28	25	22	22	22	42	42	50	51	40	29	30	50	38	33	38	38	38	42	47	59	44	39	44	49	39	38	39	..	38.1
Birch Tree .. ½ mile E	Maximum	70	62	53	51	57	60	70	75	72	70	65	60	65	63	73	59	55	61	75	73	78	78	69	61	75	74	64	70	75	75	..	66.8
	Minimum	43	36	25	27	19	19	51	49	46	59	50	39	32	36	46	38	37	40	38	51	47	65	59	44	36	54	49	45	45	47	..	42.5
Caruthersville /	Maximum	70	50	53	52	54	63	64	64	70	74	72	58	66	68	75	61	59	69	68	74	77	80	77	70	74	65	68	69	76	74	..	67.1
	Minimum	32	44	33	34	29	30	35	56	57	55	57	45	38	39	51	47	41	41	48	49	58	61	62	52	48	50	53	53	42	51	..	46.4
Crystal City	Maximum	71	65	53	51	56	67	77	72	77	75	73	61	69	67	61	57	53	61	69	76	74	74	80	67	79	74	64	67	73	79	..	68.1
	Minimum	47	33	25	32	21	25	55	42	55	53	57	40	32	53	51	39	40	44	38	55	43	61	60	47	39	54	50	45	49	58	..	44.8
Doniphan	Maximum	77	68	61	54	61	66	59	73	74	78	74	67	68	74	82	65	61	70	73	82	81	81	76	74	79	72	73	71	77	75	..	71.5
	Minimum	49	39	26	26	20	25	38	51	55	59	55	43	33	48	48	43	40	42	38	53	54	64	60	51	39	55	50	42	43	61	..	45.0
Farmington	Maximum	68	58	51	45	55	63	73	68	74	69	69	56	66	66	73	50	54	57	69	76	74	72	75	62	76	68	58	61	74	76	..	65.2
	Minimum	44	32	26	30	25	26	52	44	55	54	55	38	32	50	49	37	38	42	38	53	45	66	59	44	39	51	48	41	44	56	..	43.8
Jackson	Maximum	72	68	53	53	56	63	67	67	69	70	73	72	69	70	80	79	60	66	75	76	76	75	76	75	75	75	64	72	78	76	..	70.0
	Minimum	47	35	28	31	22	26	26	56	56	59	41	32	32	50	40	40	43	40	60	61	64	60	49	41	54	50	45	46	60	60	..	43.7
Poplar Bluff	Maximum	74	55	56	54	59	67	70	68	75	69	75	63	67	72	80	54	59	68	72	77	81	78	76	68	78	70	70	71	79	75	..	69.3
	Minimum	50	39	29	33	25	28	55	53	55	54	58	42	35	45	52	42	40	43	42	53	55	65	60	50	41	53	52	45	42	59	..	46.4
Rolla /	Maximum	66	48	51	47	55	64	75	64	76	62	64	57	68	60	58	39	53	56	70	67	77	68	69	56	76	64	54	68	76	80	..	62.9
	Minimum	36	31	27	20	25	28	49	42	48	56	55	37	36	50	50	35	36	36	42	48	46	52	58	42	42	53	47	44	44	58	..	42.8
St. Louis	Maximum	65	46	48	42	51	75	75	63	70	61	69	53	65	69	58	41	49	55	65	69	74	69	77	54	71	65	62	65	74	78	..	62.3
	Minimum	41	31	31	31	30	40	55	51	56	49	42	39	44	51	41	37	41	43	44	53	50	60	54	46	46	51	47	46	50	57	..	45.2
Salem /	Maximum	66	47	52	47	53	62	73	64	76	61	64	58	68	61	51	39	55	57	73	71	77	68	71	59	76	68	55	70	76	77	..	63.2
	Minimum	43	32	25	26	24	25	29	42	42	55	57	37	34	37	50	36	36	37	36	38	43	50	58	42	42	44	47	37	37	48	..	39.6
Sikeston /	Maximum	75	52	57	53	57	65	66	72	74	67	74	59	68	70	80	57	60	72	71	76	78	77	79	71	78	67	69	69	79	76	..	68.9
	Minimum	33	38	29	30	26	29	37	56	52	54	58	42	37	41	51	55	40	42	40	44	55	56	62	50	45	46	54	46	46	50	..	44.8
Union	Maximum	69	62	53	54	55	73	81	78	80	73	72	59	75	72	64	57	56	54	71	70	81	80	82	70	80	74	61	68	80	86	..	69.7
	Minimum	39	31	20	21	23	22	52	39	51	49	53	38	31	51	48	37	39	42	36	55	40	59	59	45	36	53	58	41	49	61	..	42.6
West Plains	Maximum	71	53	53	51	58	60	71	59	77	66	64	61	62	62	74	45	56	62	70	73	79	73	68	64	76	60	64	69	74	75	..	65.1
	Minimum	41	36	27	29	22	26	52	53	54	54	44	39	35	49	45	39	38	39	39	50	49	62	50	42	38	52	48	45	45	60	..	43.4
Cairo, Ill.	Maximum	72	51	52	48	54	61	63	63	70	68	72	56	65	68	76	51	58	67	69	74	77	76	78	67	74	66	67	68	76	73	..	66.0
	Minimum	49	39	34	36	30	38	56	58	59	58	54	44	40	54	51	42	42	49	47	56	58	64	59	52	49	58	55	51	50	61	..	49.8

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis, 6-10-44—1050.

(Continued from page 21)

first was on the 10th, at about 6 p. m., the second on the 14th, at about 9 a. m., and the third on the 17th, at about 5 p. m. Each of the storms came from the southwest and moved northeastward over a path about one mile wide and one-half to five miles long. Average size of stones was about two-fifths inch in diameter. Total damage of all three storms estimated at only $50.

Heavy hail occurred in north-central Texas County on the 13th, at 9 p. m. The storm moved from the northwest over a path ten miles wide and of unreported length. Stones were approximately one-half inch in diameter. Practically no damage resulted to property and none to crops.

On the 14th, moderate to heavy hail fell at a number of places in Greene, Christian, Ozark, Texas and Shannon counties. Towns where the hailstorms struck were Billings and Clever, in Christian County, Galloway in Greene County, Wasola in Ozark County, and Summersville in Texas County. Evidently there were two seperate storms, as all places reported the movement from the southwest to northeast, except for the area about seven miles southeast of Summersville, where the movement was from the southeast. At Clever, the storm occurred between 4 p. m., and 4.25 p. m., and the hail was reported as heavy, with stones one and one-half inches in diameter, resulting in severe property damage in the immediate vicinity, estimated at $6,000 to $7,000; there was very little damage to crops. The path of storm was reported as one mile wide; length unknown. At Galloway, and vicinity, severe hail fell shortly before 5 p. m., with stones reported as large as walnuts. Amount of damage and details of this storm are not available.

At Wasola, heavy hail fell from 5.25 p. m., to 5.35 p. m., over a path two and one-half miles wide and three and one-half miles long, with stones ranging from size of peas to as large as black walnuts. Damage was mostly to composition roofs, with no crop damage. Aggregate damage not reported.

At Summersville, and vicinity, moderate to heavy hail fell at intervals from about 6:45 p. m., to about 7:15 p. m., with stones varying in size from that of gardens peas to some as large as hen eggs. Considerable damage occurred seven miles southeast of Summersville, to roofs, gardens, and orchards, but total amount of damage was not reported. Hail collected to a depth of four inches in some places and some was still unmelted three hours later. At about the time this hailstorm was in progress a tornado occurred near Mountain View, about nine miles south and west of the area where the hail fell.

On the 21st, at 2 p. m., and again at 4 p. m., heavy hail fell over a strip one and one-half miles wide and six miles long, extending from about five miles southwest to about one mile northeast of Amity, DeKalb County. Stones ranged in size from about one-fourth to one-half inch in diameter. No damage resulted. On the same afternoon, about 3:45 p. m., a very heavy hailstorm occurred at Lucerne, and vicinity, in Putnam County. This storm moved from the southwest to northeast over a path about ten miles wide and forty miles long. Stones were the size of marbles or smaller and covered the ground to a depth of about three-fourths inch, some remaining on the ground for as long as three hours. Very little damage resulted from this storm. At Appleton City heavy hail fell at 8:40 p. m.. and again at 10 p. m., of the 21st, over a path eight miles wide and of unknown length, resulting in severe damage. These storms came from the northwest. Stones ranged in size from three-fourths inch to one inch, or more, in diameter. Many windows and composition roofs were ruined. Estimate of damage not available.

A moderate hail fell at Pleasant Hill, and vicinity, at 7:15 p. m., of the 21st and heavy hail at 4:30 a. m., of the 22d, but damage was slight. Many panes of glass were broken in a greenhouse, and to the east and south, many window lights were smashed. The latter hailstorm occurred in connection with a windstorm on the 22d.

On the 26th, at 2:45 p. m., heavy hail fell at Crocker, Pulaski County, for about fifteen minutes. The storm came from the west, with path about eight miles wide and about fifteen miles long. Stones ranged from size of peas up to three-fourths inch, and covered the ground. Considerable damage resulted to oats, gardens, and fruit; also to composition roofs. Amount of damage not available.

On the 30th, heavy pea-size hail fell at Appleton City at 1:20 a. m., with slight damage to gardens. The storm came from the southwest; length and width of path, and amount of damage not known. At 5:30 p. m., to 6:01 p. m., of the same day, heavy hail fell at Saverton, and vicinity, resulting in damage to roofs estimated at $2,500, and to crops and budding fruit trees estimated at $2,000. Some poultry was killed. This storm came from the northwest, with path approximately six miles wide and ten miles long. Stones ranged in size from one-fourth to one inch in diameter and covered the ground to a depth of two inches, on the level.

TORNADOES

A small tornado struck in northwestern Ozark County, at Noble and Almartha between 5:25 p. m., and 5:37 p. m., on the 14th, and resulted in slight injury to one person and damage to one residence, five barns, four chicken houses, several outbuildings, and some timber. Amount of damage was not reported. This storm came from the southwest and traveled northeastward over a path 200 yards wide and five and three-fourths miles long. Then it evidently lifted and did not strike again until it reached the northeastern corner of Howell County, where it again descended about six miles northwest of Mountain View, striking that locality between 6:30 p. m., and 7:00 p. m. Three persons where injured and property damage was estimated at $15,000 to $25,000. The tornado in its second descent swept a path one-half to three-fourths of a mile wide and ten to sixteen miles in length, still moving in a northeasterly direction and extended into southeastern Texas County. In the Mountain View vicinity 14 homes, 1 church, 1 school, and numerous outbuildings were damaged or demolished, and much timber and several orchards were blown down. Some livestock and poultry were killed. No loss of crops, other than orchards, occurred.

On the same afternoon, at about 6 p. m., a small tornado struck the central part of Webster County, five to ten miles south of Marshfield. Two persons died of burns, as an indirect result of this storm, and four more were reported injured. Four houses were demolished, ten barns and about 75 henhouses, brooderhouses, and other outbuildings destroyed. This storm also moved from southwest to northeast over a path 100 yards to one-half mile wide and of undetermined length. Monetary value of damage not available, but loss to crops was practically nothing.

WINDSTORMS

On the 10th, heavy property damage was caused by wind, about one mile south of Morehouse. The same day a windstorm at Maryville damaged roofs, windows, and trees. Details and amount of damage not reported.

On the 21st, about 3:25 p. m., a severe windstorm struck the southern part of Mercer County, and some parts of Harrison and Putnam counties. In Mercer County one person was injured and dozens of barns and other outbuildings were wrecked, houses were damaged, many head of livestock killed, and telephone lines torn down. The storm was accompanied by a heavy fall of hail, which piled up to a depth of three inches in some places. This storm moved from southwest to northeast over a path twenty-five miles long and unknown width. Extent of the damage not reported.

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(Continued from page 25)

At 7 p. m. on the 22d, straight-line winds swept a path three miles wide and 10 or 12 miles in length along U. S. Highway No. 7 in Cass County and along the Cass-Jackson County line, resulting in injury to one person and property damage estimated at $5,000 to $6,000. The storm traveled from the northwest to the southeast and was accompanied by hail.

On the 23d, between 6:30 p. m. and 9:30 p. m., a windstorm, moving from northeast to southwest, occurred in east-central Nodaway County and west-central Gentry County, striking the towns of Clyde, Conception, and the west side of Stanberry. Minor damage was done, and was confined to some trees, roofs, and outbuildings. On the same day heavy damage by wind was reported south of Morehouse. The aggregate amount of damage was not reported for either of these storms.

(ALL REFERENCE TO TIME IS CENTRAL WAR TIME)

ERRATA

February 1944, page 8: Mean temperature at Advance should be 40.7. Page 9: Mean temperature, and date of highest, at West Plains should be 40.4 and 15, respectively. Highest temperature and date at Willow Springs should be 77 and 26th, respectively. Page 12: Minimum temperature on 26th at Clinton should be 38. Maximum temperature on 8th at West Plains should be 51; mean maximum should be 52.8. Minimum temperature on 25th and 28th at West Plains should be 57 and 34, respectively; mean minimum should be 28.0.

March 1944, Page 13: Percentage of possible sunshine at St. Louis should be 49. Page 14: Greatest 24-hour precipitation and date, and total snowfall, at Clinton, should be 1.38 on 17–18th and 2.8, respectively. Total snowfall at New Florence should be 1.0. Mean temperature and greatest 24-hour precipitation and date at Advance should be 44.8 and 1.08 on 18–19th, respectively. Page 18: Maximum temperature on 15th at Clinton should be 54; mean maximum should be 50.6. Minimum temperature on 9th and 10th at West Plains should be 23 and 25, respectively.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII MAY 1944 No. 5

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The cool, wet weather which prevailed in April continued through the first ten days of May, and preparation of the ground for planting of crops, and cultivation of those that had been planted were further delayed. This work was four to six weeks behind the usual advancement for this time of year. Flood waters, in the larger rivers of the State, which were prevalent throughout most of April, began to recede in the upper reaches early in May and by the third week were generally within banks, except in the Mississippi River, in the stretch from Keokuk to Grafton.

After the 10th, much warmer weather set in and continued throughout the remainder of the month, temperatures averaging about 9° a day warmer than normal. This sudden change in temperature quickly dried out the ground, and plowing and planting operations got well under way and by the close of the month much progress had been made, but the season was still behind the average at the close of May.

The month averaged 4.5° warmer than May a year ago and it was the warmest month of its name since 1941 and the seventh-warmest of record in the past 57 years. An unusual cold spell occurred from the 4th to the 10th, when minimum temperatures dropped to near freezing or below, quite generally, with frosts forming on several nights, and resulting in some damage to gardens and fruits in the more exposed places. The excess in temperature this month was general over the whole State, not a single station having a monthly deficiency. The extremes of temperature were not unusual for May. No destructive storms were reported.

Precipitation was irregularly distributed over the State, monthly totals ranging from 13.05 inches at Moselle, in the east-central section, to 1.56 inches at Appleton City, in the west-central portion of the State. The month's rainfall occurred mostly during the first ten days and the last eleven days of the month, with only light to moderate amounts, falling intermittently, during the intervening period. The frequent precipitation at the beginning and again the latter part of the month seriously interfered with planting and cultivation of crops and other outdoor activities. The monthly average of 4.44 inches, was only slightly less than the 57-year average, but was 5.47 inches less than the May 1943 State average, which was the greatest of record for May.

Snow flurries were fairly general on the 5-6th, but the snow mostly melted as it fell, only a few stations recording measurable amounts, and these approximately only one-half inch, or less.

All crops grew well after the 10th, and frequent showers and warm nights were very favorable for corn, but a considerable acreage of the latter crop remained to be planted. Wheat prospects improved during the month and the crop was heading as the month closed. Oats were poor, with thin stands, and a large acreage that had been intended to be sown to this crop had to be planted to other crops because of the prevailing wet weather and the lateness of the season. All hay crops and pastures made exceptionally good progress during May, with

(Continued on page 29)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea level pressure, extremes-inches				Wind				Relative humidity $			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.34*	11	29.66*	3	6.8	24	sw.	3	87*	61*	61*	73	109
Kan. City Airp't.	30.28	11	29.59	3	11.3	36	sw.	3	81	55	57	61	114
St. Joseph	30.24*	11	29.59*	3	8.9	31	w.	3	86*	57*	58*	62	126
St. Louis	30.38*	11	29.71*	22	10.3	36	sw.	2	80	57	58*	63	94
Springfield	30.33	2	29.71	11	9.7	30	sw.	3	90	66	68	66	97
Cairo, Ill.	30.38	11	29.76	22	7.3	26	s.	2	83	59	..	75	58
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	...

* Data for Airport station. $ C. S. T.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation						Number of days		
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	62.1	93	30	4.98	6.23	4.73	3.98	....	5	..	..	..
1889	63.5	100	28	6.06	7.41	6.91	3.87	....	5	..	..	..
1890	62.8	97	26	3.65	2.91	4.62	3.43	....	6	..	..	..
1891	61.5	97	27	4.11	4.84	2.87	3.62	0	8	..	..	..
1892	60.7	91	28	9.04	8.72	10.11	8.28	0	17	5	9	17
1893	61.8	94	30	6.14	5.74	6.11	6.56	0	10	11	11	9
1894	63.7	96	29	4.31	2.60	5.18	5.14	0	8	13	11	7
1895	64.6	103	28	3.95	4.01	5.45	2.40	0	9	13	12	6
1896	70.1	96	37	9.17	9.00	10.29	8.22	0	12	12	12	7
1897	62.4	93	28	2.60	2.64	2.68	2.47	0	7	16	11	4
1898	65.2	97	31	7.68	8.36	7.81	6.88	0	14	12	10	9
1899	66.9	96	34	6.07	7.01	5.89	5.31	0	2	10	13	8
1900	66.3	97	29	3.63	3.80	3.00	4.09	0	10	14	11	6
1901	63.8	98	30	1.47	1.55	1.43	1.42	0	6	15	10	6
1902	69.4	98	39	4.82	5.31	5.65	3.51	0	11	13	11	7
1903	65.1	92	23	7.05	7.01	8.21	5.93	0	15	9	10	12
1904	63.1	95	32	4.74	5.46	5.40	3.35	0	12	13	10	8
1905	64.9	94	34	5.33	4.20	6.62	5.17	0	10	12	11	8
1906	66.3	98	27	2.45	2.08	3.02	2.25	0	7	15	10	6
1907	59.5	91	17	5.61	3.64	5.92	7.27	0.8	10	14	6	11
1908	66.1	96	24	6.91	8.16	6.77	5.79	0	12	12	10	9
1909	63.3	96	25	5.55	5.19	6.22	5.25	T.	9	15	9	7
1910	60.1	94	32	6.38	7.46	7.42	4.25	0	13	11	8	12
1911	68.8	101	27	1.46	2.45	1.10	0.84	0	5	19	7	5
1912	67.6	97	30	3.80	3.90	3.45	4.05	0	7	18	8	5
1913	65.8	101	33	2.79	3.82	3.16	1.40	0	8	16	7	8
1914	66.6	98	31	1.49	0.97	2.31	1.20	0	5	17	9	5
1915	63.7	97	30	7.72	8.34	8.11	6.70	0	12	12	7	12
1916	65.6	96	33	5.47	7.30	5.46	3.64	0	11	15	8	8
1917	58.7	91	30	4.28	4.14	5.38	3.32	0	10	15	7	9
1918	68.3	100	28	5.50	5.71	4.23	6.57	0	10	16	8	7
1919	62.0	93	35	5.74	5.65	5.96	5.61	0	13	10	10	11
1920	63.8	97	32	5.01	3.77	5.10	6.15	0	12	9	9	13
1921	66.4	102	28	3.68	3.80	3.68	3.55	0	7	17	8	6
1922	67.2	97	38	3.07	3.53	3.59	2.09	0	10	14	10	7
1923	62.7	97	25	4.68	2.45	4.40	7.18	T.	12	11	10	10
1924	58.6	96	31	4.71	3.18	5.13	5.83	0	10	13	8	10
1925	61.2	98	24	2.10	2.32	2.39	1.60	0	7	14	9	8
1926	67.0	100	29	2.78	2.42	3.34	2.58	0	7	16	9	6
1927	64.6	94	34	6.95	4.55	6.77	9.54	0	12	11	10	10
1928	65.8	95	29	2.87	2.05	3.16	3.41	0	8	16	9	6
1929	61.7	95	28	7.76	5.30	9.66	8.31	0.3	13	9	10	12
1930	64.7	95	33	3.33	3.22	3.78	2.98	0	9	16	8	7
1931	61.0	96	29	4.50	4.84	4.64	4.03	0	10	15	6	10
1932	66.1	98	31	1.80	2.44	2.03	0.93	0	6	18	9	4
1933	65.9	96	35	7.75	6.44	8.07	8.74	0	13	11	9	11
1934	69.0	110	31	1.93	1.82	2.42	1.56	0	5	21	7	3
1935	60.3	92	32	8.46	9.73	7.99	7.66	0	17	6	8	17
1936	68.8	95	32	2.52	3.07	2.95	1.54	0	7	17	10	4
1937	66.2	98	34	3.86	3.97	4.36	3.25	0	9	13	11	7
1938	65.0	94	32	6.13	5.32	7.75	5.31	0	13	9	12	10
1939	67.4	102	31	4.17	2.94	5.98	3.60	0	9	15	9	7
1940	62.7	95	30	2.44	2.44	2.40	2.48	0	8	16	9	6
1941	68.9	97	35	2.29	2.71	1.95	2.21	0	8	16	11	4
1942	63.8	97	29	5.31	5.09	5.37	5.47	0	10	11	11	9
1943	63.9	95	33	9.91	7.83	13.05	8.85	0	16	7	9	15
1944	68.4	99	27	4.44	4.29	4.12	4.91	0	12	10	13	8
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period	64.6	110	17	4.78	4.65	5.20	4.48	T.	10	13	10	8

Climatological Data for May 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	66.8	.....	90	15†	29	5	15	6.65	+3.97	1.50	29	0	15	17	9	5	s.	Curtis E. Grace
Bethany	Harrison	916	49	66.0	+ 3.5	88	15†	30	5	51	4.17	0.00	....	..	T.	10	9[a]	15[a]	6[a]	sc.	A. S. Cumming
Brookfield	Linn	767	3	68.4	.....	94	19	31	5†	3	5.43	.....	1.42	23-24	T.	10	17	5	9	s.	G. F. Breen
Brunswick	Chariton	652	63	68 4	+ 4.2	92	16	33	6	65	4.13	−0.48	1.37	27-28	T.	9	11	4	16	s.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	188	6	67.0	.....	89	15†	33	5	14	2.53	−2.79	0.70	7-8	T.	12	6	13	12	sw.	Lockmaster
Chillicothe	Livingston	779	35	67.4	+ 4.5	92	15	31	5	38	3.74	−0.35	1.03	24	0	10	21	2	8	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	68.2	+ 4.6	88	28	32	5†	35	3.88	−0.52	1.65	24	T.	13	7	18	6	sw.	Dr. A J. Bradsher
Columbia	Boone	740	54	69.2	+ 4.1	90	15	35	5	54	4.02	−0.44	1.70	23	T.	13	1	16	14	s.	U. S. Weather Bureau
Conception	Nodaway	980	55	66.8	+ 4.7	93	19†	29	5	60	5.80	+1.74	1.74	1-2	T.	13	7	16	8	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	67.0	+ 4.0	90	16†	30	5†	41	4.09	−0.11	1.40	20-21	T.	10	7	17	7	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	13	68.8	+ 4.1	90	29†	32	6†	13	2.50	−0.82	1.17	3	0	6	9	21	1	sw.	John Dowell
Fayette	Howard	760	64	68.0	+ 4.2	89	16	33	6	61	4.04	−0.28	0.95	1	T.	11	14	11	6	s.	Irvin E. Schnell
Fulton	Callaway	818	56	68.2	+ 3.6	89	17†	30	6	52	4.14	−0.46	1.20	30-1	T.	15	17	8	6	s.	Frank E. Hillgartner
Grant City	Worth	1,134	40	66.4	+ 4.4	90	15†	30	5	52	6.30	+2.07	2.73	2	T.	13	8	13	10	sw.	Howard Rybolt
Hannibal	Marion	759	52	67.0	+ 3.4	89	15	31	6	60	3.78	−0.57	1.18	27	T.	14	9	17	5	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	69.5	+ 4.7	93	19	32	5	55	4.14	+0.20	1.92	20-21	T.	12	5	13	13	s.	U. S. Weather Bureau
Kansas City Univ.‡	Jackson	908	6	69.2	.....	93	19	29	5	6	4.08§	.....	1.92	20-21	T.	11	10	12	9	sw.	University of Kansas City
Kidder	Caldwell	1,020	52	66.6	+ 4.0	87	15†	28	5	56	4.74	+0.09	1.70	24	T.	11	17	5	9	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	68.4	+ 6.1	93	15	32	5	62	5.64	+0.31	1.31	22-23	0.5	18	13	7	11	sw.	P. O. Selby
Lawson	Ray	1,070	6	67.4	.....	90	19	29	5	6	10.95	.....	3.84	20-21	T.	16	4	20	7	sw.	Frank G. Gstrein
Louisiana	Pike	469	50	67.1	+ 3.4	89	15†	31	7	63	1.79	−2.91	0.50	8	T.	6	0	30	1	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	66.4	+ 2.9	88	15†	32	5†	51	5.32	+0.73	1.03	2	T.	13	9	5	17	se.	John W. Atwell
Maryville	Nodaway	1,169	54	65.3	+ 4.0	90	15	28	5†	50	9.32	+4.67	4.20	1-2	T.	13	7	9	15	se.	R. B. Montomery
Memphis	Scotland	787	5	66.0	.....	91	15†	31	6	14	5.25	+1.24	1.24	23	T.	11	11	9	11	sw.	John W. Alexander
Mexico	Audrain	800	55	68.6	+ 4.6	91	16	32	6	66	3.81	−0.79	1.23	1	T.	16	8	16	7	sw.	Henry D. Llewellyn
Moberly	Randolph	860	7	67.0	.....	87	15†	32	6	7	3.83	.....	1.13	2	T.	10	13	9	9	s.	James G. Carney
New Florence. 1 mi SE	Montgomery	885	1	67.0	.....	87	28	31	6	2	3.09	.....	0.62	29	T.	15	9	14	8	s.	U. S. Weather Bureau
Oregon	Holt	1,048	88	68.5	+ 5.3	95	19	29	5	88	5.18	+0.65	1.14	1-2	0	10	17	8	6	se.	Miss Mina Wright
St. Charles	St. Charles	520	56	70.2	+ 7.1	94	29	33	6	66	4.59	+0.31	1.43	3	0	6	11	14	6	s.	Martin L. Comann
St. Joseph	Buchanan	957	34	68.5	+ 4.3	93	19	32	5	72	4.40	−0.30	1.42	27	T.	13	15	10	6	s.	U. S. Weather Bureau
Saverton, Lock No. 22	Ralls	472	6	67.3	.....	90	15	33	6	6	4.84	.....	1.32	1	T.	15	16	10	5	s.	Lockmaster
Shelbina	Shelby	779	3	67.4	.....	90	15†	30	6	51	3.87	−0.45	1.20	27	T.	11	15	10	6	sw.	Guyman Hatcher
Steffenville	Lewis	650	46	67.8	+ 4.0	97	20	33	6	51	3.11	−1.46	1.35	21	T.	15	12	12	7	s.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	....	....	..	..	..	..	50	....	.....	.....	..	....	..	..	..	..	.....	.....
Trenton	Grundy	822	48	67.8	+ 4.3	90	15†	30	5	49	3.52	−1.18	1.24	1-2	T.	15	11	15	5	s.	W. H. Estes
Unionville	Putnam	1,062	51	66.2	+ 4.1	95	19	29	6	51	3.26	−1.99	0.95	2	T.	13	12	16	3	sw.	C. D. Wilson
Warrenton	Warren	816	62	68.2	+ 3.3	89	28	30	6	54	4.19	−0.21	0.90	1	0.4	10	9	16	6	se.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	68.2	+ 4.4	90	15†	34	5	72	4.15	+0.22	1.07	22	T.	17	4	18	9	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**67.6**	**+ 4.3**	**97**	**20**	**28**	**5†**	..	**4.29**	**−0.36**	**4.20**	**1-2**	**T.**	**12**	**10**	**13**	**8**	**s.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	65.8	+ 0.1	89	19	31	6	45	6.85	+1.10	1.58	20	0	10	18	9	4	w.	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	68.6	+ 3.6	89	19	30	6	52	1 56	−3.24	0.70	20-21	T.	9	14	10	7	sw.	Rolla Brown
Bolivar	Polk	1,071	41	68.0	+ 3.2	88	28	29	6	49	1.78	−3.57	0.64	2	0	13	10	16	5	sw.	Southwest Baptist College
Boonville	Cooper	650	6	67 6	.....	87	15	34	5†	67	5.11	+0.50	1.92	1	0.2	10	12	8	11	sw.	Boonville Water Dept.
Carthage	Jasper	962	10	68.6	.....	90	28	30	6	20	2.85	.....	1.02	30	0	11	6	23	2	s.	Carthage W. and E. Plant
Clinton	Henry	786	51	69.4	+ 3.9	90	29	31	6	57	2.69	−2.14	0.92	20	T.	13	8	12	11	s.	U. S. Weather Bureau
Eldon	Miller	934	49	67.2	+ 3.0	88	11†	32	6	45	5.13	+0.83	1.61	30-1	T.	15	7[a]	14[a]	9[a]	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	68.6	...	90	14	30	6	3	6.50	.....	1.82	29	T.	8	13	12	6	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	67.5	+ 3.7	90	19	29	6	69	2.40	−2.03	0.70	20-21	0	13	2	10	19	se.	John H. Patterson
Jefferson City	Cole	557	54	68.2	+ 3.5	88	14†	33	6	62	5.79	+1.38	1.99	1-2	T	18	9	7	15	s	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	69.9	+ 3.6	87	19†	33	6	39	3.05	−2.31	1.18	2	....	14	10	9	12	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	68.0	+ 1.9	90	19	36	6	13	4.19	−0.08	1.18	1	T.	14	11	14	6	sw.	W. S. Frame
Lamar	Barton	980	56	67.4	+ 1 8	86	14†	29	6†	63	3.25	−2.01	1.13	25-26	0	9	17	8	6	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	66.8	+ 1.9	89	31	28	6	57	4.40	−0.81	0.95	30-1	0	15	7	10	14	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	68.8	+ 4.4	91	19	32	5	60	6.25	+1.29	1.96	24	T.	12	14	16	1	sw.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	70.0	+ 5.6	91	28	29	6	48	3.60	−1.72	0.92	20	0	11	12	18	1	sw.	Hubert A. Nieman
Marshall	Saline	779	57	68.6[b]	+ 4.4	89	15†	34	5	54	5.20	+0.59	2.22	22-23	T.	6	9[b]	17[b]	3[b]	s.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	67.3	+ 3.5	87	15	30	6	47	4.05	−0.41	1.50	8-9	0	12	1	28	2	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	67.2	+ 1.4	90	28	28	6	44	3.44	−2.07	0.95	8	0	11	16	4	11	se.	James C. Williamson
Neosho	Newton	1,011	57	68.9	+ 2.9	89	25	32	6	61	4.79	−0.77	1.48	25-26	0	11	7	19	5	s.	U. S. Fisheries Station
Nevada	Vernon	862	51	69.7	+ 5.2	92	19	29	6	52	2.96	−1.97	0.96	30-1	0	11	16	9	6	sw.	Henry Kraft
Ozark Beach	Taney	700	4	69.0	.....	91	15	34	6†	19	4.12	−1.10	1.03	20-21	0	11	5	15	11	se.	A. J. Sharp
Sedalia	Pettis	910	31	69.0	+ 3.7	90	19	32	5†	33	4.36	−0.14	1.63	23-24	T.	12	16	11	4	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	67.8[b]	+ 3.3	84	19†	35	5	41	4.83	−0.61	1.51	28-29	0	11	8[c]	18[c]	2[c]	sw.	Floyd E. Fawver
Seymour..3½ miles NE	Webster	1,642	38	66.0	+ 2.3	85	14†	28	6	38	3.75	−1.08	1.32	8-9	0	11	7	15	9	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	56	66.6	+ 2.9	85	15	29	6	56	2.87	−2.32	0.79	8-9	T.	11	3	12	16	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	67.8	.....	90	19	31	5	3	5.26	.....	2.03	23-24	T.	14	14	14	3	s.	H. F. Nelson
Warrensburg	Johnson	878	57	69.8	+ 4.8	90	19†	32	6	64	3.27	−1.45	1.31	29	T.	10	17[a]	9[a]	4[a]	se.	Central Teachers College
Warsaw	Benton	687	43	70.0	+ 4.5	89	14†	33	6	49	5.53	+0.53	2.27	1-2	0	12	11	17	3	s.	Dora B. Johnson
Wasola	Ozark	1,294	3	67.0	.....	88	19	32	6	4	3.23	.....	0.83	23	0	10	7	17	7	sw.	A. W. Pinckney
Division means	**and extremes**	.....	..	**68.1**	**+ 3.2**	**92**	**19**	**28**	**6**	..	**4.12**	**−1.08**	**3.06**	**24**	**T.**	**12**	**10**	**14**	**7**	**sw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	69.4	.....	92	26†	31	7	7	7.33	.....	2.04	13	0	11	6	10	15	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	67.7	+ 3.6	95	29	28	7	66	3.07	−1.17	0.91	3	0	7	19	4	8	s.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	67.2[b]	+ 2.2	88[b]	14	30[b]	5	50	9.26	+4.91	2.54	2-3	T.	14	11[b]	17[b]	1[b]	se.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	67.2	+ 3.2	90	14†	27	7	51	4.81	+0.30	2.18	2-3	T.	12	11	17	3	se.	Claude Volner
Campbell	Dunklin	314	18	71.7	+ 4.4	92	15†	35	7	18	3.48	−1.53	0.80	24	0	9	13	16	2	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	70.7	+ 0.9	90	16	39	7	52	4.44	0.00	1.74	23-24	0	10	14	6	11	s.	Victor T. Malloure
Crystal City	Jefferson	420	10	70.0	+ 4.8	92	15†	32	7	10	4.39	+0.23	1.97	8-9	0	9	8	8	15	sw.	Richard K. Ragland
Doniphan	Ripley	344	40	69.8	+ 3.3	93	15	30	7	40	5.43	+1.07	1.05	26	0	14	17	10	4	sw.	Boyce Lackey
Farmington	St. Francois	896	33	68.2	+ 4.5	91	16	29	7	47	4.88	−0.19	1.16	8-9	T.	13	4	10	17	s.	F. M. Karsch
Greenville	Wayne	381	35	67.9[f]	+ 2.0	92[f]	29	29[f]	7	37	4.61	+0.43	1.51	27	0	11	7[f]	12[f]	6[f]	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	70.5	+ 4.9	92	26†	32	7	54	2.90	−1.37	0.92	9	T.	11	6	7	18	s.	John G. Putz
Koshkonong	Oregon	958	43	69.0	+ 2.4	91	15	34	6	44	5.58	+1.03	2.62	2-3	T.	10	17	9	5	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	67.8	.....	89	15	30	6†	7	6.69	.....	1.89	8-9	0	10	16	11	4	s.	U. S. Forestry Service

Continued on next page

Climatological Data for May 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	72.3	.....	93	16†	37	7	1	2.96	.....	0.82	23-24	0	14	5	8	18	sw.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	68.7	+ 3.1	94	26	27	7	51	4.19	−0.30	1.00	9	0	9	9	16	6	s.	R. A. DeWitt
Poplar Bluff	Butler	339	39	71.6	+ 4.1	99	28†	31	7	40	4.33	−0.19	1.59	9	0	13	6	19	6	s.	Joe Rochm
Rolla	Phelps	1,202	44	68.7	+ 4.2	91	16	31	6	60	6.12	+1.37	2.28	29	T.	10	3	21	7	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	70.6	+ 3.6	91	29	35	6	107	4.15	−0.19	1.36	8-9	0	12	8	14	9	s	**Section Center**
St. Louis Airport	St. Louis	556	7	70.1	+ 4.3	94	15	34	6	13	4.46	+0.54	1.60	22-23	T.	11	5	20	6	se.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	70.2	+ 4.5	90	15†	34	6	32	4.99	+0.80	1.87	23-24	0	13	12	9	10	se.	St. Louis University
Salem	Dent	1,173	40	67.9	+ 3.4	90	16	30	6	43	8.18	+3.67	2.20	8-9	T.	13	14	14	3	s.	E. E. Martin
Sikeston	Scott	318	37	71.4	+ 2.9	92	15†	36	7	47	2.81	−1.43	1.08	23-24	0	10	17	7	7	sw.	William B. Seabaugh
Union	Franklin	520	6	70.0	.....	95	16	30	7	27	8.75	+4.21	1.86	29	0	11	14	7	10	s.	Columbus L. Cunlo
Vichy ‡.....2 mi. NW	Maries	1,125	8	68.4	.....	88	18	31	6	9	6.69	.....	1.78	8	T.	13	5	14	12	s.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	68.1	.....	86	26	36	7	5	3.50	.....	1.33	8-9	0	15	10	13	8	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	69.4	.....	90	15	34	7	4	5.10	.....	1.04	8-9	0	12	11	16	4	s.	William J. Miller
West Plains	Howell	1,005	7	68.0	.....	90	14†	31	7	7	2.37	.....	....	..	T.	14	2	19	10	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	66.8	.....	89	29	31	7	37	3.64	−0.96	1.16	23	0	9	7	18	6	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	72.2	+ 2.8	92	16	39	6	73	3.79	+0.08	1.77	23-24	0	11	5	12	14	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	69.4	+ 3.5	99	28†	27	7	..	4.91	+0.43	2.75	2-3†	0	11	10	13	8	s.	
State means	**and extremes**	.....	..	68.4	+ 3.8	99	28†	27	7	..	4.44	−0.34	4.20	1-2	0	12	10	13	8	s.	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for May 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25*	26	27	28	29	30	31	
Lakeside (Osage Dam)	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Mean temperature	66	66	62	53	42	46	54	52	60	68	72	72	74	72	74	74	72	74	74	73	75	74	70	73	76	74	74	74	74	72	74	68.0
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.224	.086	.158	.151	.108	.081	.082	.084	****	.030	.084	.206	.230	.176	.216	.224	.226	.254	.219	.208	.172	.110	.122	.148	.142	.155	.210	.195	.173	.221	.127	4.812
	Mean temperature	67	68	66	56	43	42	46	54	56	65	70	76	76	74	76	79	78	76	77	78	75	74	74	72	77	78	78	76	80	78	79	69.8
	Wind movement ..	74	50	70	51	39	35	24	41	31	26	16	22	25	21	13	22	18	20	25	22	25	25	20	13	16	14	14	16	12	14	13	827

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. **** −.010.

(Continued from page 27)

the first cutting of alfalfa under way in southern sections on the closing days. Cotton was being chopped during the latter part of the month in southeastern counties. Fruit prospects varied considerably, some blooms being severely damaged or killed by the late frosts and freezing temperatures. Strawberries were being harvested the last week of May; the crop was far short of average. Many fields were worked too wet and the hot weather, after the 10th, dried them out so fast that they became hard and cloddy and difficult to work, while a hard crust formed on the surface of uncultivated fields. The shortage of farm labor was a serious problem in most sections of the State. —M. R. W.

TEMPERATURE

The monthly mean for the State, 94 stations reporting, was 68.4°, or 3.8° warmer than the 57-year May average. The highest monthly mean was 72.3° at Malden, and the lowest was 65.8° at Anderson. The highest temperature reported was 99°, at Poplar Bluff on the 28th and 31st, and the lowest was 27°, at Black (near) and Marble Hill, on the 7th.

PRECIPITATION

The average for the State, 194 stations reporting, was 4.44 inches, or 0.34 inch less than the 57-year May average. The greatest monthly amount was 13.05 inches at Moselle, and the least was 1.56 inches at Appleton City. The greatest amount reported in 24 hours, was 4.20 inches, at Maryville, on the 1st-2d. The average number of days with 0.01 inch, or more, was 12.

Snowfall was of no consequence again this month, mostly melting as it fell. Only four stations reported measurable amounts of approximately one-half inch, or less, but many stations reported a trace of snow.

MISCELLANEOUS PHENOMENA

Floods.—In Bourbeuse River on 11th. In Grand River, continued from April to May 10th. In Meramec River, continued from April to May 6th, and May 10th to 12th. The Mississippi River was in flood at some points in the reach from Keokuk, Iowa to New Madrid, Mo., throughout the month, beginning in April and continuing into June. In Missouri River, continued from April to May 13th. In Osage River, continued from April to May 8th.

Fogs.—Heavy, 9th, 10th, 14th, 19th, 24th, 27th, 28th, 29th, 31st.

Frosts.—Light, 4th, 5th, 6th, 7th, 8th, 9th; heavy, 5th, 6th, 7th; killing, locally on 5th, 6th, 7th.

Glaze.—5th, 6th, 7th.

Hail.—Light, 1st at Oregon and Warsaw; 8th at Topaz; 13th at King City; 19th at Birch Tree; 24th at Wilderness; 27th at Kansas City Airport; 30th at Conception. Heavy, on 3d, northwest of Maryville, but no damage reported.

(Continued on page 33)

Daily Precipitation for May 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand		1.13	.18	.20			.15	.08					.88							.19	.14	.05	1.00	.44	.24	.25			1.50	.22			6.65
Amity[2]	do	T.	.58	.80	.05	T.	T.		.21	T.				T.							.54			3.22	.22	.05		.16		1.20	.01	7.04
Bethany	do		*	1.56	T.			*	.38					.31							.23	.09		.37	.86	.37							4.17
Bowling Green[2]	Mississippi	.57		.38						.53										.12				.44	.02				.22			.06	2.34
Brookfield[2]	Grand		.68	.37		T.		.15													.14	.35		1.42	.11			1.28		.15	.78	5.43
Brunswick[2]	do	.47	.43	.48		T.				T.											.27	T.		.70	.17			1.37		.21	.03	4.13
Canton, Lock No. 20[2]	Mississippi	.37		.40		.03	.06		.46	.24											.11	.23	.10	.27	T.	T.	T.	.21		.05			2.53
Centralia[2]	do	1.38	.04	.21			.02		.08	.21							.04					.35		.23	.41			.54		.04			3.55
Chillicothe[2] (A)	Grand		.58	.26			T.		.12												.33	.03		1.03	.57	T.	.58	.05		.19	T.		3.74
Chillicothe[2] (B)	do		.40	.28			T.		.10					.02							.16	.02		.65	.25		.17			.50	.02		2.57
Clifton Hill	Chariton	.42	.38	.33		T.	.35	.03	.17												.01	.10	.10	.21	1.65		.05		.08				3.88
Columbia[1, 5]	Missouri	1.33	.25	T.		T.	.04	.01	.06		T.		T.								.09	.03		1.70	.17		.06		.16	.01	.11		4.02
Conception	do		1.74	.98	.10	T.		.10	.04					.07							T.	.32	T.	.81	.28	.04	.31		.60	T.	.41			5.80
Edgerton	do		.82				T.	.25						.15							.15	1.25	.10		.17			.20		.25	.75			4.09
Edina[2]	Mississippi		T.	.90			.07		.62	T.												1.08	.29	.16	.19	.20			1.73		.10			5.34
Elsberry	do	.56		1.17					.12													.27		.32		.06							2.50
Elsberry S.C.S.[2]	do	.52	T.	1.13		.03	T.													.09		.18	.08	.48	.10	.03				T.			2.64
Farber[2]	do	.90	.01	.21	T.	T.	T.		.05	.34		T.								.65		*	.47	.71	.69	.08			.88			.20		5.19
Fayette	Missouri	.95	.28	.58		T.	.04	.01	.24												T.	.04		.40	.30	T.		T.		.78		.42		4.04
Fulton[2]	do	1.20	.08	.21		T.	.05	.04	.07	.07									.62		.31			.20	.25	.18			.09		.25	.52		4.14
Gallatin[2]	Grand		.53	.34	.03				.35					.06								.31			.82		.60			1.06			4.10
Grant City	do		2.73	.53	.09	T.	T.	.13	.07					.14						.03	T.	.12		1.67	.02	.12					.53	.12		6.30
Hannibal[1] (A)	Mississippi	.59	.29	.22	T.	.02		T.	.26										.07		.02	.11	.16	.09	T.	.02		1.18		.73		.02	3.78
Hannibal[2] (B)	do	1.25		.73		T.	T.		.08	.22										.12		.10	.05	.15	.14	.03			1.30		.44			4.61
Hermann[2]	Missouri	.90		.38			.02	.05	.03	.28				.01						.70		.95	.02	.18	.38	.01		.16			.41		4.48
Kahoka[2]	Mississippi			.28	.06	.06			.80	.06							.06					.45	.28	1.05	.80	.34						.03	4.27
Kansas City Airport[1, 5]	Missouri	.08	.39	.01	T.	T.		.09	T.				T.								.15	1.77	T.	T.		.03	T.	.98	.44	.02	.17	.01	4.14
Kansas City University	do	.34	.47		.01	.02		.09	T.												.15	1.77				.69			.37	.01	.16	T.	4.08
Kidder[2]	Grand		.52	.66			T.		.20												.70	.11			1.70	.10	.29		.07		.08	.31	4.74
King City	Missouri		.84	.15		.06		.15	.25					.18								.09		.95	1.45	T.	.06	.24	.10		.09		4.61
Kirksville	Mississippi		.57	.65		.03	.04	.17	.45											.42	.34	.22	.62	1.31	.10	.03		.21	.01	.23	.01	.23	5.64
LaBelle[2]	do	.12		.37			T.		.60	.08												.75	T.	.70	.40			.06					3.14
Lawson	Missouri	.44	.65	.15	T.	.01		.07	.20				T.								.24	3.60	.16	.41	2.29		.15	.22		1.77	.25	.34	10.95
Linneus[2]	Grand		1.01		.01		T.		.01													.30	.04		*	2.10		.50			.30	.30	4.57
Louisiana[2] (A)	Mississippi	.34		.46			T.			.50										.08		.11			.30								1.79
Louisiana[2] (B)	do	.31		.47						.54				.01						.06		.16			.25	.02							1.82
Lucerne[2]	Grand		.24	1.06	.06		T.		.23					.16			.04				.05	1.00	.35	T.	2.16		.15		.06		.04	.02	5.62
Macon[2]	Chariton	.26	.09	1.03			.13	T.	.13	.08												.78	.42	.17	.68	.24		T.		.86		.45		5.32
Madison[2]	Mississippi	.65		.50			.07	.02	.05	.17												.12		.84	.60					.69		.39		4.10
Maryville	Missouri		4.20	1.10		T.		.22	.03					.03					.02		.07	1.23			.43	.60	.62		.63	T.	.14		9.32
Memphis[2]	Mississippi			.97	T.	T	.08		.70												.58	.39	.24	.44	1.24	.53	.03		.05				5.25
Mexico[2]	do	1.23	.10	.30		.02	.12	.16	.06	.17	.03	.02										.28	.08		.44	.30			.42		.08		3.81
Milan[2]	Grand		.32	.53	T.		T.		.47													.34	.31	.18		.17	.04		.15		.05	.04	2.60
Moberly[2]	Mississippi	.50		1.13			.07			.34												.10	*	.02		.72			.77		.18		3.83
Monroe City	do	1.66	.08	.22				T.	.30													.58	.18	.03	.19	.05		.06	.09	.27		T.	3.71
New Florence[3], 1 mi SE	Missouri	.30	.24	.12		T.	.02	T.	.06		T.								.63		.46	.05	.01	.17	T.	.01	.08	.01		.67		.26	3.09
Oregon	do		1.14	.91	.12				.12												.62	.50			T		.42	.78	T.		.32		5.18
Palmyra	Mississippi	.21	*	.25	T.	*	.05	.04	.22												T.	.26	.05			*	.04	*	.24	*	1.65		3.01
Paris[2]	do	1.06	.03	.13	T.	T.	.07		.01	.23				T.								.21	.18	T.	.33	.20			.05		.45	.33	3.28
Perry	do	.95	.06	.25				.20						.27								.46	.21	1.24		.05				.15		.10	3.94
Philadelphia[2]	do	.21	.25		T.	.08		.04	.26												.05	.26	.29			.08		.29		.22			2.03
St. Charles[2]	Missouri	.84		1.43					1.00													.10		1.05							.07		4.59
St. Joseph[1, 5]	do	.29	.66	T	.07	T.		.18	T.												.97	.25	T.	T.	.06	.02	.02	1.42	.02	.02	.42	T.	4.40
Saverton, Lock No. 22[2]	Mississippi	1.32		.26	.01	.01	.02		.01	.30										1.15		.11	T.	.10	.21	.05			1.13		.02	.14	4.84
Shelbina	do	.28	.48	.08		T.	T.		.47													.40	.33	.41	.06	.13		1.20		.03			3.87
Shelbyville[2]	do	.20		.45					*	.34														.45	.66	.52			.26			.60	3.48
Steffenville	do	.04	.11	.08		.01	.01	.03	.42													1.35	.16	.28	.04	.45		.02	.02	T.		.09	3.11
Tarkio	Missouri																																
Trenton	Grand		1.24	.40	.04	.03		.25	.03												.06	.15	.46	.16	.10		.19	.21			.12	T.	3.52
Troy[2]	Mississippi	.80		1.10					T.	.10												.03	.04	.45	.09	.16					.40		3.17
Unionville[2]	Chariton			.95	.10		.07		.30					.04							.04	.10	.15	.10	.66	.07			.27		.41		3.26
Warrenton	Mississippi	.90		.84			.04		.25													.37	.15	.60			.14	.11			.79		4.19
Keokuk, Iowa[1]	do	.02	.50	.15		.07		.08	.72							.01	.01		.05			.36	1.07	.85		.13	.05	.03		.03	T.	.02	4.15
Southwestern Division																																	
Altona[2]	Osage	.95	.17					T.	T.					.55							T.	69		T.			T.					.68	3.04
Anderson[2] 1½ mi. SW	Neosho		1.02							.75											.04	1.58	1.50	.14			.37	.21		.68	.56		6.85
Appleton City	Osage	.25	.13			T.		.08	.06					.18							.15	.55					.09					.07	1.56
Ava Ranger Station[2]	White			.05	.20	.18				.95					1.65							.35	.25		2.75	.25		.30		.30		.50	7.73
Bakersfield[2]	do	.42		.62						.34					.36							.30	.20		.30								2.54
Bolivar	Osage	.08	.64	.03				T	.30	.07				T.	.18						.13	.04		.05				.10		.04	.08	.04	1.78
Boonville[2] (A)	Missouri	1.92	.15	.50			.02		.10	.03														.07	1.84	.45					.03		5.11
Boonville[2] (B)	do	1.90	.06	.51			T.		.10	.05												.01			1.80	.50					.04		4.97
Buffalo[2]	Osage	.61	.24	.12					.65						.24				.02			.31		.09							.42		2.68
Butler[2]	do	.32	.15	.15	.04			.09	.05					.27							.02	.72						.07	.04		.67		2.59
Caplinger Mills[2]	do	1.03	.39	.05				T	T.	.16												.55	.31	.03		T.					.33	.55	3.40
Carthage	Neosho	1.62	.72						*	.02											*	.20				.20	.25	.16			.26	.62	2.85
Clinton[2]	Osage	.08	.39			T.		.15	.12				T.	.08							.92	.20	.17	.12		T.	.01			.42	.02	.01	2.69
Concordia	Missouri		.86					*	.38												*	.75		.24	1.00		T.	.10	T.	.36	.28	3.97
Crocker	Osage	.76	.23	.20		T.			.73	.82											.16	.52		.67				1.45	.20		.15	2.21		8.10
Eldon[2]	Missouri	1.61	.05	.13			T.		.08	.26					.09		.02					.01	.10	.90	1.06	.03		.12			.46	.21	5.13
Eldorado Springs	Osage	2.58	.27	.01				.02	.22													.17		.06			.33	.01		.06	.25	.10	4.70
Elijah	White		.41	.20	.95				*	.30					.21		.04				*	.26	.25	.30				.06		.48			3.56
Fort Leonard Wood[2]	Gasconade	.48	T.	T.			T.	T.		1.67	T.											.82	T.	.31		T.		.05	.22		1.82	1.10	6.50
Galena[2]	White		.63	.05						.84												.23	.81		.37	.06	.04	.03		1.10	.14	.51	4.81
Granby[2]	do		1.10	.03						.53												.21	.50				.46	.03		.15	.12	.13	3.26
Hailey	do									.68											.26			.87			.24		.67		1.20		3.92
Harrisonville[2]	Osage	.18	.36	.12				.13	.14					.30							.09	.61			.04		.03		.33		.02	.05	2.40
Jefferson City[2]	Missouri	1.94	.05	.10			.01		.10	.01				.21	.01					.04		.24	.10	.82	.43	.08	T.	.05	.72		.49	.30	5.79
Joplin[1]	Neosho	.15	1.18	.04					.14	.06											.15		.17	.38		.25	.25	.01	.09	.10	T.	.08	3.05
Lakeside[2]	Osage	1.18	.12	.05			T.		.08	.47					.21	T.	T.		T.			.12	.17	.65	.27			.04	.14	T.	.55	.14	4.19
Lamar[2]	Neosho	.10	.85	.05						.12					.10							.85		T.			.13	1.00			.05		3.25
Lebanon[2]	Osage	.95	.13	.40					*	.71				.03	.37	.06					.12		.42	.08				.02	.20	.31	.60		4.40
Lexington[2]	Missouri	.27	.64	.15		T.			.17													*	.56		1.90	.54	.03		.03		1.53	.43	6.25
Lockwood	Osage	.40	.47						.44												*	.92	.03	.10	.08	.10	T.	T.	T	.30	.76	T	3.60
Macomb[2]	White	.10	.24	.33						1.12						.41						.35	.01		.78	.01		.47					3.82
Marshall	Missouri		.64			T.			.35														1.10	2.22			.44		.45				5.20
Marshfield[2]	White	.01	.21	.03						.82							.02					.47		.08	.23			.27		.47	.45		3.06
Mountain Grove	do		.18	.45					.10	1.40				.02	.25						.02	T.		.49		.03	.13			.90	.08	4.05
Mount Vernon[2]	Neosho	.47	.05							.95											.49	.25	.06	.20		.09		.33	.28	.27			3.44
Neosho	do	.46	.85	.03					.06	.35											T.		.19	.03			1.48	.45		.76	.13		4.79
Nevada	Osage	.96	.38						.06						.08						.51	.22		.07			.53	T.	.02	.04		.09	2.96
Osceola[2]	do	1.30	.50	.05			T.	.05	.10													1.07	*	.48			.26				.50		4.31
Ozark Beach[2]	White		.42	.12						.98				.30								.92	.11		.08	.03		.33			.51	.32	4.12
Pierce City[2]	Neosho	.63		.04																	.87	.20	.07			.12	.35		.36	.56		.20	3.40
Pineview Lookout[2]	White																																

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Daily Precipitation for May 1944 Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Pleasant Hill[2]	Osage	.46	.37	.17			T.		.11	.06				.06								1.26			.07	.02	.01	T.	T.		.30	.60	3.52
Roby	Gasconade	T.	.08	*	.45		.01	.01	.33	.65				.15							.25	.10		1.00			.44	.81			.30		1.14
St. Thomas[2], 2¼ mi SW	Osage	.52	.05	.16					.10	.46				.38					T.			.75		1.50	.44						.67		4.93
Sedalia	Missouri	.24	.81	.25		T.		.10	.15												.19	.14	.01	.98	.65			.72			.12		4.36
Seligman	Neosho	.37	.71	.08					T.	.81											.23	.03		.41			.40	T.	.83	.68	.28		4.83
Seymour, 3½ mi. NE	White		.24	.38					.02	1.30				.29							.63		.12	.28			.09			.33	.07	3.75
Shell Knob[2], 3 mi. SE	do		.63							.81					.50	.16							.61		.25		.23		.20	.83	1.20	1.05	6.37
Siloam Sprgs. Lookout[2]	do	.36	.28																			.17	1.00		.26								2.27
Springfield[1, 5], ½ mi. E	do	.03	.45	.01	T.	T.	T.		.71	.08				T.					T.		.60	.10	T.	.59		.08	T.		.05	.17	T.	T.	2.87
Stover[2]	Missouri	.70	.35						.11						.45									.92	.39							.75	3.67
Sugar Camp Lookout[2]	White																																
Sweet Springs	Missouri	.80	.58	.01		T.		.15	.18												.07	.49	.03	.40	2.03			.04		.03	.25	.20	5.26
Tecumseh[2], ¼ mi. W	White		.25	1.59												.25							.90							.27	.08	3.34
Topaz[2]	do	.19		.13	.58					.79					.02									.54	.05			.56				2.86
Vanzant[2], 3¾ mi. SE	do	.20	.17	.47						.88					.15							.51						.10				2.48
Warrensburg	Missouri	.32	.56	.03		*	T.	T.	.17	T.											.05	.25	T.	T.	.25					1.31	.30	.03	3.27
Warsaw[2] (A)	Osage	.82	2.27	.15					.14	.03												.68	.57	.03	.45			.04	.08		.27	T.	5.53
Warsaw[2] (B)	do	.62	1.69	.20				.14	.02													.76	.25	.25	.24		.03	.09			.21	T.	4.50
Wasola	White		.25	.26						.64				.05							.30	.28		.83	.06		.21			.35		3.23
Waverly[2]	Missouri	.80	.42	.36			T.		.15													.16	.05		1.40	.55		.25			.55	.07	4.76
Wilderness Lookout[2]	White		.68	*	.01					.75					.45	.16						.01	.20		.16	3.06	.14				1.14	.57	7.33
Southeastern Division																																	
Advance[3], ¼ mile W	St. Francis	.63	.39	.70	.23	T.	T.	T.	.10	1.72				2.04		T.					.19	.25		T.	T.		T.	1.04		T.	.04		7.33
Alton, 10 miles SE	Black	.68		.99	.02				.08	.79					1.19			.80	.27						.31		.02	.16			.66	.10	6.07
Annapolis	St. Francis	.40	.05	.80	.10			.08	.06	.52															.30	.43	.12				.21			3.07
Annapolis[2] 4½ mi. NW	do	.40	.04	1.22	.06	.03			.05	.55					.13							.17	.09	.12	.19						.55		.06	3.66
Arcadia[2]	do	.21		.91						.73					T.							.08		.28	T.						.72		.14	3.07
Banner[2]	Black	.20	T.	1.60	T.					1.20	.06												.07		.33			.12	.45	.03	.04		4.10
Belleview	Meramec	.10	T.	1.10	T.	T.	T.		*	.95				T.							.12		.12	.45				.15	T.	.40	.06		3.45
Birch Tree, ½ mile E	Black	.29		2.54			T.		.04	.43	.05				1.35					.05	.82	.03	.37	.07			T.	.36	T.	T.	1.50	1.36	9.26
Black, 9 miles NW	do	.14		2.18			T.	.03	.25	.81											.21	.02	.17	.48				.38		.11	.03	T.	4.81
Bunker[2], 4 miles NW	do	.19	.18	2.41						.62	.23											.07		1.65	.62						.14	.06	6.17
Campbell	St. Francis	.19	T.	.46	.62					.69					.09							.07			.80		*	.35			.21		3.48
Cape Girardeau[2]	Mississippi	.21	.34	.18	.29	.31	.03	T.		1.11	.65				.70							.18	T.		.03								4.03
Caruthersville[2]	do			.11	.77	.40				T.	.18							T.					.15		.37	1.37		.10	.87		.12		4.44
Centerville[2]	Black	.14		1.64		T.	T.	.02	.06	.90					.09							.20		.46	.88				.19		.01	.08	4.67
Cook Station[2]	Meramec			1.08			T.			1.44	T.											.47		.21	.16	.02		.52	.29		.22		4.41
Crane Mountain[2]	St. Francis	.34	.03	.17	.12	.05	T.			.59					.10							.14		.16	.16				1.23				3.09
Crystal City	Mississippi	.99		.66					.26	1.71								.46			.03	.13	T.	T	.04			T.	T.		.11	T.	4.39
Cuba	Meramec		.97	.90			.08		.69	.98												.45		.91				.94	.13		.05		6.10
Decring[2]	St. Francis		.05	.07	.48	.37				T.	.13					.35									.62				.56		.09		2.72
De Soto[2]	Mississippi	.54		1.13					.02	1.76	.09											.03		.07				.11				3.75
Dexter[2]	St. Francis	.10	.37	.46	.35	.29				.15	.83				.24							.23	.06		.25				.59		.09		4.01
Doniphan	Black	.37	.04	.65	.10				.12	.76				*	.22							.38	.05		.57		1.05	.75			.37		5.43
East End[2]	Meramec			2.42						1.31												.18		.19	.10				.20		.45		4.85
Eastwood Lookout[2]	Black																																
Ellington[2]	do	.19	.01	1.29	.04				.07	.57	T.							1.21				.10	.80	2.10	.34				.30		.09		7.11
Ellsinore Lookout[2]	do	.35		.40	.48	.20				.32												.12		.15	.18				.28				2.48
Farmington	St. Francis	.28	T.	.46	.02		.01		.20	.96				.49							.44	.05	.62	.77				.43		.15		4.88
Fisk[2]	do	.16	.11	.21	.10	.06				.16	1.16				.02		T.					.29			.14			.11	.32		.04		2.88
Fredericktown[2]	do	.30	.09	.20	.03	.06				.50					1.07										.47				1.10			.43	4.25
Gerald[2]	Meramec	.89	T.	.81			.05	T.	T.	1.20				.13								1.27	.04	1.53		.04		.33	T.		.88	.04	7.21
Greenville	St. Francis	.30		.61	.09			.01		.76				T.								1.02	.04	.19				1.51			.06	.02	4.61
High Lookout[2]	Black	.26	T.	2.55	.20					.38					1.00	.05						.70		.15	.58	.03			.15		.25	.50	6.80
Jackson	Mississippi	.78		.26	.23	.09	.03			.92											.05	.03			.04			.45			.02		2.90
Jefferson Barracks[2]	Mississippi	.53		.55						1.24													.08	.97	.39							.06	3.82
Jerome[2]	Gasconade	1.10		.40						1.05										.10		.20		.15				.90	.25		1.60		5.75
Koshkonong	Black	.60	.04	2.62	T.		T.		.09	.36					.16						1.00	.12					.21					.38	5.58
Leeper[2]	do	.42	.05	.47	.01				.07	.68					1.08							.25	.03	.85	.53				.41		.12	.19	5.16
Licking, 4 miles N	Gasconade		T.	.60				.10	.17	1.72											T.	.25	T.	.50			.20	.58		1.52	1.05	6.69
Macedonia Lookout[2]	Black	.50		.46	.15	.06	.08			.46	1.15				.80							.30		.10				.09				.25	4.30
Malden[3], 4 miles NNW	Mississippi	.16	.11	.38	.41		T.		.02	.45				.05							.02	.12		.80	.02			.31		.04	.04		2.96
Marble Hill	do	.57		.45	.29					1.00				.72							.08	.40	.28					.40					4.19
Meramec Park[2]	Meramec	.84	T.	1.24			T	T.	T.	2.38	.09			T.								1.52	.04	.96	.08			.47	.04	T.	.02	.07	7.75
Morehouse	Mississippi	.22		.07	.39	.16				.62				.15							.03				.38					.14	T.		2.16
Moselle[2]	Meramec	.93		2.18			.03		.03	1.47	.06				.27							.59		.86				2.28	1.60		2.75		13.05
New Madrid[2]	Mississippi		T.	.10	.80	.40				.06	.18						.09								.15	.30							2.08
Owensville[2]	Gasconade	.73	T.	.59			.03	.07	.09	1.17	T.			T.								1.07	.05	.86	.04			1.32	.71		.54	.44	7.71
Pacific[2]	Meramec	1.05	T.	1.70			T.			1.15	T.			T.									.46	.55	T.			T.			1.09	T.	6.00
Parma[2]	St. Francis	.12			.54	.28				.10	.37										.32	.03	.04		.63			.15	.05		.17		2.80
Perryville	Mississippi	1.17	.09	.01	.11	.04	.04	T.	.55	.10				*	.09	.15					.10	.19		.28				.10			.76		3.81
Pilot Knob[2], 2 mi. NE	St. Francis			.93						.85					.61		.21					.70	.02		.45				.11				.25	4.13
Poplar Bluff[2] (A)	Black	T	.47	.13	.12	.22				1.29	.30			.33	.12		T.					.60		.13	.35				.25		.02	T.	4.33
Poplar Bluff[2] (B)	do	.18	.33	.14	.11	.21				1.41	.25			.55	.10							.55		.08	.35			T.	.25		.04		4.58
Reynolds[2]	do			2.06						.92					.08									.54	1.12				.38		.38	.10	5.58
Richwoods[2]	Meramec	.29		1.14						2.19	T.											*	.03	.55				.27		.06		4.53
Rolla[2]	do	1.10		.55			.05		T.	.75												.60	.05	.17	T.		T.	.32	.25		2.28	T.	6.12
Round Spring[2]	Black	.23		1.95						.90					.12							.63	.41	1.52	.41			.13	.09		.80	.12	7.31
St. Louis City Office[1, 5]	Mississippi	.45	.12	.37		T.	T.	T.	1.13	.24	T.			T.								.08	.07	1.26	T.	.28	.07	.04			.04	T.	4.15
Airport[3]	Missouri	.15	.67	.67		T.	T.	T.	.68	.05	T.			.02								.04	.02	1.07	.59		T.				.20	T		4.46
St. Louis Univ.[1, 5]	Mississippi	.59	.20	.47		T.	T.	T.	1.07	.22				T.								T.	.04	.19	1.85	.02	.27		.02			.04	.01	4.99
Washington Univ.[2]	do	.90		1.07			.01			1.12													.04	.04	.32	.54		.25				.12	4.41
Salem[2]	Meramec	.22	T.	1.31			T.	.04	.10	2.20								.04				.26	.04	.50	.10		T.	1.06	T.		1.68	.63	8.18
Sikeston[2]	Mississippi	.04	.17	.12	.27	.32	T.	T.		.22	.50			T.	.08							.01			1.08	T.		T.					2.81
Steelville[2]	Meramec																																
Summersville	Black	.11	T.	1.44			T.		.05	.58				.07	T.			T.			1.44	T.	.20	.61			.70	.03	T.	.20		.78	6.21
Union	Meramec	.83		1.58					.53	.76				1.33								.15		.17			1.38	.16		*	1.86		8.75
Valley Park[2]	do	1.03		1.43					T.	1.30	T.			T.									.05	.39	.20		.38		.87		.26	T.	5.91
Van Buren	Black	.37		.97						.37					.05								2.00	1.10	.41								5.27
Vichy[3], 2 miles NW	Meramec	.14	.60	T.		.11	.15	T.	1.78	.04											.37	.15	T.	.30	T.	T.	.67	.97		.72	.69	T.	6.69
Wappapello Dam[2]	St Francis	.36	.06	.28	.21	.29			.01	1.14	.19				.14							.28	T.	.06	.07			.13	.27		.01		3.50
Weingarten	Mississippi		.12	*	.14				.10	1.04						.18						.36	.32	.60				.60			.84		5.10
West Plains[3]	Black	.25	.95	.04			T.		.14	.10				.02	.12	T.					.36	.05	T	T.	T.		.03	.03		.03	.22	.03	2.37
Williamsville[2]	do	.25		.25	.14	.10			.01	.39	.13				.08								.04	.13	.03							.10	1.65
Willow Springs[2] 500 ft E	White	.22		.95						.72					.02							.26	T.	.10	1.16	.05		T.	T.		T	.16	3.64
Winona Ranger Sta.[2]	Black	.21		2.16	.05		T.			.36					1.15							.53		.05	.31			.40	.28		2.40	.07	7.97
Zalma, 3½ miles S	Mississippi	.65		.37	.17		T.		T.	1.45				.45	.08	1.21					.02	.63	.08		.03			.34			.05		5.53
Cairo, Ill.[1, 5]	do	.21		.30	.66	T.	.11		.09	.48				.03		T.					.12	T.	.02	1.09	.68			T.			T.	T.	3.79

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage.

Daily Temperatures for May 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick/	Maximum	78	73	63	52	42	53	54	60	70	78	84	85	84	89	90	92	88	91	91	83	85	86	80	80	89	86	86	88	89	87	84	78.7
	Minimum	56	58	61	45	34	33	38	41	48	48	52	61	63	58	58	66	62	62	67	68	67	67	69	62	62	66	66	64	64	66	66	58.0
Chillicothe/	Maximum	81	74	60	51	43	58	57	57	69	80	84	88	82	91	92	89	88	89	91	81	84	88	82	79	87	84	81	87	82	84	86	78.4
	Minimum	55	60	54	40	31	32	36	42	40	42	50	61	61	63	58	68	61	61	67	67	64	65	67	61	61	65	64	64	61	65	65	56.5
Columbia	Maximum	78	76	65	54	43	51	55	62	68	81	84	87	86	87	90	89	87	87	89	87	85	86	74	78	88	86	87	88	87	86	86	78.6
	Minimum	56	61	54	41	35	36	39	54	50	56	63	65	63	58	65	68	66	68	67	67	66	67	61	60	67	65	67	65	68	66	68	59.7
Fayette	Maximum	76	75	73	60	50	52	54	62	72	79	83	84	85	87	87	89	84	86	88	85	85	84	78	79	86	84	86	87	86	84	84	78.5
	Minimum	56	60	55	43	34	33	34	49	52	52	58	59	65	55	61	63	59	65	62	65	66	66	61	60	64	62	66	63	66	63	65	57.5
Grant City	Maximum	78	79	68	50	41	53	52	58	66	83	81	84	82	88	90	88	88	87	90	83	83	84	85	78	84	80	82	86	85	84	85	77.6
	Minimum	49	55	47	35	30	31	36	44	36	54	49	63	58	54	62	65	62	66	65	63	63	63	62	60	61	62	61	61	64	63	65	55.1
Hannibal	Maximum	77	76	67	54	42	51	57	59	64	73	84	85	82	85	89	88	87	79	88	85	82	83	73	75	87	87	87	86	85	86	87	77.1
	Minimum	56	59	51	38	32	31	36	47	44	46	60	62	62	58	62	66	64	64	64	64	64	62	62	59	62	66	64	63	65	64	66	56.9
Kansas City Airport.	Maximum	80	71	62	54	43	56	53	57	68	85	83	87	85	90	90	91	89	90	93	79	85	87	80	85	88	83	82	85	86	83	87	78.6
	Minimum	58	60	49	40	32	32	44	46	44	54	65	66	66	61	72	70	67	72	71	67	65	71	67	64	67	67	66	66	65	67	72	60.4
Kirksville	Maximum	82	78	74	57	47	53	58	57	66	79	86	86	85	90	93	91	90	89	90	89	85	84	82	80	88	87	83	86	86	86	87	79.8
	Minimum	57	59	53	39	32	34	37	44	40	46	60	61	61	58	65	66	64	66	65	61	64	61	62	59	63	65	66	63	66	64	65	57.0
Lawson	Maximum	79	71	65	52	43	55	50	54	68	83	83	84	84	89	89	86	86	88	90	80	85	85	79	82	87	84	85	87	85	83	84	77.6
	Minimum	57	59	50	39	29	31	39	46	40	52	62	62	63	59	66	66	63	65	65	66	63	63	61	60	66	64	64	62	65	64	66	57.3
Louisiana/	Maximum	79	79	67	53	44	53	60	61	65	77	83	86	82	85	89	88	89	81	88	85	83	84	75	79	88	86	88	85	89	87	88	78.3
	Minimum	58	58	59	47	35	33	31	51	48	45	51	55	60	53	56	58	59	58	61	63	66	63	63	59	61	63	63	61	63	64	67	55.9
Macon/	Maximum	77	75	62	50	40	51	58	60	66	76	81	83	83	86	88	86	85	86	88	85	83	83	73	77	81	84	84	88	87	85	84	76.6
	Minimum	57	57	59	43	32	32	34	38	32	43	50	64	63	56	60	68	66	67	65	65	65	62	62	58	61	63	66	62	63	66	66	56.3
Maryville	Maximum	77	74	65	48	41	50	49	57	63	78	80	84	82	88	90	86	86	86	88	85	79	83	84	76	82	79	79	82	80	79	84	75.6
	Minimum	53	53	45	34	28	28	38	42	39	48	58	61	61	57	62	62	61	64	65	63	62	64	61	59	65	61	59	62	63	63	64	55.0
Mexico /	Maximum	80	81	67	55	45	53	55	63	68	81	86	88	87	88	90	91	90	88	90	86	86	88	79	82	90	89	89	88	90	89	88	80.3
	Minimum	52	58	59	46	35	32	33	34	39	42	54	61	64	55	60	67	64	65	65	66	67	66	67	59	62	63	66	67	66	60	66	56.8
Moberly /	Maximum	76	75	62	51	42	49	54	60	66	78	84	84	84	84	87	86	86	86	87	84	83	85	73	78	86	84	86	86	85	84	85	76.8
	Minimum	55	57	59	42	33	32	33	33	46	47	52	64	62	59	61	66	64	67	66	66	64	66	60	60	62	66	63	66	66	66	66	57.1
Oregon	Maximum	80	76	68	52	45	54	52	59	69	83	85	87	85	90	92	92	90	90	95	87	85	88	81	85	88	78	78	86	88	85	88	79.4
	Minimum	58	57	46	36	29	30	42	44	42	51	63	65	61	62	67	66	64	67	69	63	63	64	64	60	64	67	65	63	64	65	65	57.6
St. Charles/	Maximum	81	77	72	58	46	58	60	58	61	80	86	91	88	93	93	92	93	89	92	87	87	81	80	91	91	88	90	94	81	92	81.0	
	Minimum	58	59	60	50	40	33	38	51	52	51	55	62	65	60	62	64	65	63	62	67	68	62	65	64	66	67	66	65	68	67	68	59.5
St. Joseph	Maximum	79	72	56	50	40	55	49	59	68	83	83	87	84	90	91	90	87	90	93	77	84	89	83	84	87	75	84	86	84	82	88	77.7
	Minimum	60	55	47	35	32	32	46	46	43	55	65	67	64	61	70	71	67	70	70	64	64	68	64	61	66	64	64	64	66	67	69	59.3
Trenton	Maximum	80	76	67	54	43	53	56	57	67	78	83	84	84	89	90	90	86	88	89	90	84	87	84	80	86	86	85	88	86	88	86	78.8
	Minimum	60	60	50	38	30	35	37	44	41	41	56	62	63	56	61	69	61	69	66	63	66	64	64	61	63	64	66	64	62	64	65	56.9
Unionville/	Maximum	82	74	66	46	40	53	58	56	66	77	84	85	83	87	90	91	87	91	95	85	87	90	85	80	85	90	83	90	89	89	89	79.1
	Minimum	52	55	57	36	30	29	33	35	39	38	47	59	57	56	58	60	60	60	60	59	60	60	60	60	60	63	61	63	63	63	63	53.3
Warrenton	Maximum	78	76	70	60	45	52	56	61	64	79	82	87	85	87	88	88	87	85	88	85	82	80	79	77	84	86	86	89	85	85	87	78.2
	Minimum	56	59	60	45	34	30	34	52	49	49	59	61	64	69	67	66	63	62	62	66	65	63	63	62	61	63	64	62	62	63	65	58.1
Keokuk, Iowa	Maximum	78	76	66	51	42	51	59	57	61	74	82	85	80	85	90	90	87	79	88	85	81	82	76	77	86	88	82	86	89	87	88	77.0
	Minimum	61	60	51	42	34	37	42	48	44	47	63	66	64	58	68	69	66	67	57	65	69	63	62	63	66	70	70	66	70	67	69	59.5
Southwestern Division																																	
Clinton	Maximum	77	74	64	57	47	57	68	64	72	84	85	84	89	89	88	87	87	88	89	78	86	85	79	86	89	87	88	88	90	85	89	80.0
	Minimum	57	60	52	44	32	31	42	49	49	56	62	62	61	61	65	64	62	67	64	66	65	66	62	61	66	66	66	65	66	63	67	58.7
Eldon/	Maximum	71	76	66	56	43	53	63	60	69	82	84	85	..	88	87	87	86	86	87	84	85	86	79	82	88	85	83	86	86	86	86	[a]78.2
	Minimum	55	56	59	45	38	32	34	41	51	51	56	59	60	..	58	62	60	61	59	59	65	64	63	61	62	62	62	62	64	63	64	[a]56.3
Harrisonville/	Maximum	77	70	62	55	45	55	63	62	69	83	82	84	87	88	88	89	85	88	90	78	85	86	77	84	88	86	85	86	87	84	87	78.5
	Minimum	55	59	50	41	30	29	34	41	46	49	56	61	61	62	61	64	65	65	59	65	63	64	66	59	62	63	64	64	65	64	66	56.5
Jefferson City /	Maximum	78	79	70	57	45	52	59	62	69	82	83	87	86	88	88	88	88	86	87	87	85	84	85	77	87	88	86	87	88	87	86	79.4
	Minimum	57	57	59	46	39	33	35	38	52	52	56	62	53	54	62	65	65	66	62	65	55	65	62	61	63	62	66	64	67	63	65	57.1
Joplin	Maximum	70	72	66	57	52	57	74	64	70	82	79	82	86	86	86	84	84	85	87	80	83	82	78	83	87	80	82	86	80	83	85	77.8
	Minimum	62	62	51	46	38	33	44	53	54	62	65	64	68	67	68	69	65	71	71	70	68	65	67	63	67	66	70	68	68	66	70	62.0
Lamar/	Maximum	75	71	65	58	51	55	75	57	68	81	81	82	85	86	86	83	85	84	86	82	83	82	78	84	85	80	81	85	82	81	85	77.5
	Minimum	57	58	53	45	35	29	29	43	51	52	57	60	61	60	61	64	62	62	65	65	66	66	65	61	61	63	63	64	66	64	64	57.2
Lebanon /	Maximum	75	74	65	56	46	53	68	69	61	80	82	84	86	86	86	85	85	84	87	81	85	83	75	84	86	85	82	86	87	84	89	78.0
	Minimum	57	57	57	44	35	28	29	39	51	51	54	60	60	57	60	63	62	62	58	60	64	61	63	60	61	59	61	61	63	62	64	55.6
Lexington/	Maximum	79	71	62	52	46	56	54	59	70	73	82	86	87	90	90	88	87	90	91	84	86	88	85	82	89	86	87	89	86	85	86	78.9
	Minimum	59	60	53	42	32	33	36	43	41	49	55	64	66	60	67	69	65	67	66	68	65	66	68	63	61	66	66	65	68	65	67	58.6
Marshall	Maximum	79	78	73	61	51	53	53	60	67	79	83	85	84	87	89	88	87	87	89	..	88	88	79	86	85	83	84	86	86	87	..	[b]78.8
	Minimum	56	60	55	44	34	36	40	39	51	54	63	64	61	65	59	68	68	66	66	..	63	62	61	66	65	66	66	65	66	67	..	[b]58.5
Mountain Grove	Maximum	73	70	68	64	54	54	65	66	73	78	79	81	85	86	87	86	85	82	84	80	84	82	76	80	82	83	79	85	85	81	84	77.5
	Minimum	57	58	54	47	37	30	35	50	55	57	58	61	60	57	62	64	60	62	60	63	63	60	62	58	60	62	64	65	64	62	64	57.1
Neosho	Maximum	76	72	72	67	55	57	74	73	72	84	81	84	85	86	88	87	85	86	88	87	85	85	83	85	89	85	83	88	84	87	87	80.6
	Minimum	56	60	52	47	37	32	37	55	53	55	57	58	59	59	60	62	55	63	62	61	65	65	63	55	65	60	67	61	63	62	68	57.2
Nevada	Maximum	74	72	69	63	56	57	74	71	71	85	82	84	89	89	89	86	87	89	92	88	86	83	83	88	90	83	84	90	85	85	87	81.0
	Minimum	58	60	52	45	34	29	41	52	51	55	60	59	63	60	62	65	60	64	64	66	65	67	64	60	65	63	65	64	65	63	68	58.4
Sedalia	Maximum	79	76	79	69	52	53	60	60	70	84	84	84	89	88	89	87	89	87	89	90	87	86	85	85	80	88	88	87	88	88	86	80.7
	Minimum	57	59	51	42	32	32	39	47	47	52	61	62	62	58	64	64	62	64	64	66	64	67	59	60	65	64	62	62	64	62	62	57.3
Springfield ..½ mile E	Maximum	70	71	64	55	47	53	66	65	72	78	78	81	83	84	85	84	84	83	85	81	82	80	72	80	84	81	80	84	82	81	84	76.1
	Minimum	57	58	52	38	34	29	38	52	52	57	60	59	61	60	62	62	60	64	62	64	63	61	61	57	62	60	65	66	65	63	65	57.1
Warrensburg	Maximum	78	76	72	64	62	56	60	59	69	83	84	84	86	88	89	88	89	88	90	90	85	86	82	83	89	86	87	88	85	84	86	80.5
	Minimum	56	60	52	43	33	32	42	54	49	54	62	62	65	61	68	66	65	64	66	68	65	69	62	61	66	65	66	64	65	63	68	59.2
Southeastern Division																																	
Arcadia/	Maximum	74	76	76	63	54	51	63	69	73	80	*84*	*86*	*86*	*88*	*89*	*91*	*89*	89	89	89	87	84	80	84	88	88	86	88	95	84	90	81.1
	Minimum	53	59	59	51	32	31	28	30	53	55	51	50	50	57	59	59	61	58	58	60	62	60	59	58	59	64	61	60	61	62	63	54.3
Birch Tree .. ½ mile E	Maximum	70	73	70	66	53	53	64	67	73	80	84	..	86	88	87	87	85	83	85	83	80	77	80	..	84	86	83	87	87	83	85	[b]78.2
	Minimum	60	63	58	45	30	33	37	51	58	58	65	..	56	55	59	59	55	55	56	65	65	61	55	..	56	60	63	66	63	61	61	[b]56.2
Caruthersville/	Maximum	73	78	76	65	62	53	62	68	72	79	84	85	84	85	89	90	89	87	89	88	86	77	81	83	87	89	85	86	88	85	88	80.4
	Minimum	62	62	62	55	43	44	39	48	55	58	58	61	62	62	65	66	65	65	67	67	64	62	63	63	67	69	67	67	71	71	71	61.0
Crystal City	Maximum	77	78	77	73	52	53	60	60	61	75	83	90	88	89	92	92	91	91	91	89	84	85	85	84	90	90	91	91	91	90	91	81.7
	Minimum	61	60	60	52	38	34	32	52	54	55	53	59	60	59	59	62	63	59	59	65	68	64	68	62	63	63	63	61	65	65	66	58.2
Doniphan	Maximum	77	79	69	69	63	59	65	72	77	82	90	89	89	87	93	92	90	89	90	89	86	82	83	87	89	89	82	89	91	85	90	82.7
	Minimum	62	60	61	52	33	38	30	46	59	56	52	59	57	56	60	62	59	56	56	61	66	64	60	60	58	62	63	62	63	65	65	56.9
Farmington	Maximum	74	75	70	65	51	47	62	66	64	80	85	87	87	85	88	91	89	87	88	85	83	81	79	83	85	87	87	86	90	83	89	79.3
	Minimum	61	60	58	48	34	32	29	49	56	54	54	59	60	57	61	62	65	59	59	63	65	65	61	59	62	61	63	60	63	63	66	57.1
Jackson	Maximum	74	75	72	67	58	52	62	67	70	82	86	87	85	89	89	91	90	89	91	91	84	82	83	86	91	92	90	90	91	89	92	81.8
	Minimum	60	62	62	50	36	34	32	47	58	57	56	59	60	56	63	65	66	60	63	65	67	64	64	66	64	67	67	62	67	68	67	59.2
Poplar Bluff	Maximum	73	80	71	70	60	55	66	72	82	85	90	89	89	93	94	95	95	94	96	91	87	83	87	88	96	95	88	99	94	95	99	85.5
	Minimum	62	59	62	51	35	38	31	45	59	56	56	63	59	56	61	64	62	58	58	63	66	63	59	62	58	63	65	63	65	65	65	57.8
Rolla/	Maximum	77	77	67	54	44	50	65	64	62	80	85	86	89	88	88	91	88	88	90	85	84	85	79	85	84	85	84	85	87	83	88	78.9
	Minimum	58	60	58	48	37	31	33	41	52	52	57	61	62	60	64	65	66	65	63	64	64	63	65	62	65	65	64	65	66	68	65	58.5
St. Louis	Maximum	74	76	72	59	46	50	57	60	60	76	83	86	83	85	90	90	89	89	89	87	82	82	80	80	87	89	90	85	91	90	89	78.9
	Minimum	58	61	59	45	38	35	41	50	52	55	62	68	69	66	68	71	72	70	70	72	68	66	66	65	68	70	70	69	70	69	69	62.3
Salem /	Maximum	73	76	70	57	58	50	65	66	68	80	84	86	86	88	89	90	87	88	89	85	86	82	78	82	83	86	85	87	89	83	85	79.4
	Minimum	59	60	58	48	34	30	31	36	54	54	56	57	58	59	60	61	62	60	61	63	64	65	62	60	61	62	62	64	63	62	63	56.4
Sikeston /	Maximum	75	78	74	69	66	52	60	68	71	82	86	89	88	87	92	89	86	85	90	90	85	85	85	85	90	89	90	91	91	92	91	82.3
	Minimum	62	61	62	55	38	39	36	38	50	59	59	62	63	60	75	70	65	65	64	66	68	65	62	64	63	66	67	63	67	69	69	60.4
Union	Maximum	84	82	81	73	56	55	65	65	68	84	88	92	91	88	91	95	92	94	94	90	84	87	83	85	91	91	88	91	92	88	94	83.9
	Minimum	58	60	59	49	34	32	30	50	51	52	51	56	61	56	58	59	60	56	57	61	66	61	68	62	61	60	61	62	64	63	64	56.2
West Plains	Maximum	74	72	71	59	51	56	66	66	78	80	84	85	87	90	90	89	88	87	88	83	84	84	78	85	89	86	86	87	89	86	88	80.2
	Minimum	60	59	56	37	32	34	31	52	57	55	52	57	58	58	60	60	58	56	56	61	66	66	60	54	57	59	61	65	63	64	63	55.7
Cairo, Ill.	Maximum	73	76	73	67	62	51	61	69	69	80	84	88	85	88	88	92	91	90	89	86	86	80	81	85	91	88	88	91	90	88	90	81.3
	Minimum	62	64	63	48	45	39	40	53	59	56	60	63	66	62	67	68	70	67	69	70	69	67	65	65	68	71	71	68	72	73	72	63.0

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis, 7-13-44—1000.

(Continued from page 29)

Sleet.— 4th, 5th, 6th, 7th.

Windstorms.—On 27th at Marble Hill, but no damage reported.

DEATHS FROM LIGHTNING

Three persons died from being struck by lightning during May. On the 20th two children were killed near Clifton City, Cooper County, and on the 27th a man was killed in St. Louis County.

LATE APRIL REPORTS
WINDSTORM

A destructive windstorm occurred at Richards and vicinity, Vernon County, in April, but the date was not definitely established, but was probably on the 21st. The path was three to five miles wide and about six or eight miles long. There was considerable damage to buildings, but amount of damage not reported. The storm moved from southwest to northeast.

HAILSTORM

Heavy hail fell at Richards and vicinity, Vernon County, on April 21st at 3:00 p. m. (C. W. T.), resulting in considerable damage to roofs. The storm moved from Bourbon County, Kansas, into Vernon County, traveling northeastward. Path was one and one-half miles wide and twelve or fifteen miles in length. Some stones were the size of baseballs, and some the size of hen eggs and walnuts. Amount of damage not reported.

ERRATA

March 1944, page 14: Greatest precipitation in 24 hours and date at Springfield should be 0.73 on 15-16th. Mean temperature at New Florence and Licking should be 38.3 and 43.6, respectively. Page 18: Mean maximum at Springfield should be 52.9.

April 1944, page 20: Greatest 24-hour precipitation at Columbia should be 3.40. Mean temperature and departure at Springfield should be 52.3 and −2.9, respectively. Mean temperature and total precipitation at Advance should be 55.0 and 8.03, respectively. Page 21: Date of greatest 24-hour precipitation at St. Louis should be 22-23. Mean temperature and greatest 24-hour precipitation at Vichy should be 51.9 and 1.32, respectively. Greatest 24-hour precipitation and date at West Plains should be 2.07 on 22-23. Page 22: Precipitation on 21st and 22d at Kansas City Airport should be 2.01 and 4.18, respectively. Page 23: Precipitation at Advance on 8th should be .40; total should be 8.03. Page 24: Minimum temperature at Springfield on 20th should be 47; mean minimum should be 42.3.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

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VOL. XLVIII JUNE 1944 No. 6

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UNIVERSITY OF ILLINOIS

GENERAL SUMMARY

June was rather hot and dry over most of the State, with droughty conditions prevailing over much of the eastern half at the close of the month and a general soaking rain was badly needed to relieve this unfavorable condition.

It was the warmest June since 1936 and the second consecutive month of the current season averaging warmer than normal. The only cool periods were the 6-8th, when the lowest temperatures of the month occurred, and the 19th-21st. The period from the 22d to 30th was quite warm, afternoon temperatures registering in the high 90's to over 100° on most days during this period. Other warm periods were 1st-5th and 10-18th. The extreme high temperature of 107° for this month was the highest recorded in June since 1936 and it has been equalled, or exceeded, only nine times in the past 57 years. The extreme low of 39° was not unusual for June, having been equalled, or exceeded, numerous times since State-wide records began in 1888. The excess in temperature was general over the entire State, every station averaging warmer than normal. Monthly averages and departures from normal for each of the three divisions and for the State were as follows: Northern Division 75.5°, +2.9°; Southwestern Division 76.0°, +2.7°; Southeastern Division 77.8°, +3.7; for the State 76.4°, +2.7°. The average number of days with 90° or higher was 14, for the State, as a whole.

Precipitation was very irregularly distributed this month, ranging from a monthly total of 9.10 inches at Carthage to 0.14 inch at Cuba. The Southeastern Division was the driest of the three divisions, averaging only 1.62 inches, which is 2.60 inches less than normal for that section. The Southwestern Division had an average of 3.48 inches, —1.58 inches; the Northern Division 2.55 inches, —2.20 inches; the State 2.55 inches, —2.13 inches. Some stations in the drier east-central areas received rain on only two or three days during the month and the amounts thereof were light, while the average number of rainy days for the State, as a whole, was only seven.

It was the driest June since 1936 and the eighth-driest in the past 57 years. Several stations in the Southwestern and Northern Divisions received monthly totals in excess of their respective normals, but the totals at most stations in the Southeastern Division were well below normal. A few heavy to excessive rains occurred locally during the month, the greatest 24-hour amount being 4.02 inches, at Joplin, on the 20th.

There were no serious overflows in any of the major rivers of the State, although flood stages, or higher, were reached in parts of the Mississippi, Missouri, and Grand rivers. At Waverly, on the Missouri, and at Hannibal and Louisiana, on the Mississippi, flood stage, or higher, prevailed throughout the month.

No severe storms occurred during June; however, there were a few local windstorms that caused relatively minor damage. Light hail fell locally at a number of stations, but no damage resulted.

The warm, dry weather was very favorable for harvesting of small grains and hay, but all growing crops and pastures

(Continued on page 36)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.30*	30	29.62*	3	7.5	19	nw.	6	80*	55*	56*	89	14
Kan. City Airp't.	30.32	29	29.51	3	12.5	45	w.	14	77	56	56	79	9
St. Joseph	30.35*	29	29.49*	3	9.3	41	w.	22	80*	61*	59*	66	21
St. Louis	30.29*	30	29.68*	3	11.6	34	ne.	26	70	49	47*	84	4
Springfield	30.25	30	29.65	3	10.0	34	n.	18	88	63	63	82	11
Cairo, Ill.	30.23	29	29.76	3	6.9	26	n.	23	78	54	..	88	1
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	..

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	72.6	103	36	5.81	5.98	5.96	5.50	0	7	..	..	..
1889	70.7	100	38	4.66	4.29	4.57	5.13	0	6	..	..	..
1890	77.2	106	44	2.45	3.14	2.49	1.71	0	6	..	..	..
1891	73.2	103	46	6.56	5.61	7.99	6.08	0	13	..	..	..
1892	74.5	100	45	3.09	3.04	3.72	2.52	0	7	15	9	6
1893	72.6	98	40	4.72	4.92	3.91	5.32	0	9	12	12	6
1894	74.5	105	35	3.74	4.28	4.92	2.03	0	7	16	11	3
1895	73.3	100	42	5.87	6.07	6.33	5.20	0	10	12	11	7
1896	72.5	101	45	3.98	3.32	3.63	5.00	0	9	12	11	7
1897	73.6	102	38	6.25	6.49	5.74	6.51	0	12	9	14	7
1898	75.3	100	49	5.92	6.32	6.54	4.90	0	11	13	12	5
1899	74.3	101	42	3.92	3.71	4.83	3.21	0	9	15	10	5
1900	73.3	103	44	5.05	3.71	5.06	6.37	0	10	12	12	6
1901	77.9	106	40	2.02	2.67	1.47	1.92	0	6	18	10	2
1902	70.9	100	37	6.42	6.64	6.95	5.68	0	12	11	10	9
1903	67.3	95	36	3.28	2.96	3.78	3.09	0	9	15	9	6
1904	70.5	93	45	6.68	5.31	8.23	6.51	0	11	12	12	6
1905	75.2	103	42	3.14	2.84	3.06	3.52	0	7	15	10	5
1906	72.7	101	40	4.82	3.28	6.62	4.55	0	10	15	9	6
1907	71.2	97	40	5.47	5.76	6.40	4.24	0	11	14	10	6
1908	72.3	98	43	6.01	6.92	6.78	4.33	0	11	13	10	7
1909	73.9	98	48	5.23	5.96	5.78	3.95	0	11	11	13	6
1910	70.4	99	38	4.11	3.08	4.69	4.57	0	8	16	7	7
1911	78.9	112	43	1.76	0.93	1.59	2.77	0	6	18	8	4
1912	69.5	100	42	4.77	3.31	5.39	5.62	0	9	14	8	8
1913	75.4	107	33	2.55	3.01	2.31	2.32	0	6	18	8	4
1914	79.3	106	43	2.26	3.11	2.50	1.17	0	5	18	7	5
1915	70.8	98	38	6.45	7.53	7.24	4.57	0	12	11	10	9
1916	70.0	100	42	5.86	5.05	6.50	6.04	0	10	14	9	7
1917	71.0	103	35	3.67	5.72	2.20	3.10	0	8	19	7	4
1918	77.2	110	48	3.09	3.04	3.20	3.04	0	7	17	8	5
1919	75.0	104	44	5.58	5.04	6.24	5.47	0	11	14	10	6
1920	72.7	101	41	2.35	3.09	2.14	1.83	0	6	18	7	5
1921	76.6	105	44	5.81	4.74	7.74	4.96	0	12	12	10	8
1922	76.5	108	43	1.61	1.72	1.39	1.72	0	5	19	8	3
1923	73.5	103	45	5.56	5.30	6.52	4.87	0	11	14	9	7
1924	72.5	101	38	7.27	8.53	7.70	5.57	0	14	12	12	6
1925	76.5	103	46	5.99	7.68	4.99	5.31	0	9	15	10	5
1926	70.9	101	37	3.60	5.02	3.79	1.99	0	8	15	9	6
1927	70.3	99	41	5.81	5.38	6.77	5.28	0	10	15	7	8
1928	67.7	91	40	11.25	8.59	11.03	14.12	0	15	8	11	11
1929	71.3	99	39	5.69	6.57	5.98	4.52	0	10	16	8	6
1930	72.4	109	36	3.77	5.17	4.63	1.52	0	7	18	8	4
1931	77.1	107	40	2.75	4.09	1.81	2.35	0	6	19	8	3
1932	75.2	103	47	4.81	5.53	6.09	2.82	0	10	12	12	6
1933	78.4	107	38	1.47	2.89	0.92	0.61	0	3	22	6	2
1934	80.4	108	47	2.82	2.92	2.72	2.83	0	7	17	10	3
1935	69.6	98	39	8.95	6.73	11.06	9.07	0	15	9	12	9
1936	76.5	112	40	1.42	1.30	1.38	1.57	0	4	21	6	3
1937	74.4	105	43	4.93	3.43	5.79	5.56	0	10	14	10	6
1938	72.4	98	44	4.77	4.20	5.04	5.06	0	10	13	11	6
1939	74.6	99	41	5.64	7.70	5.38	3.83	0	12	11	13	6
1940	73.5	98	44	4.36	4.24	5.10	3.75	0	8	13	10	7
1941	74.1	103	43	4.23	4.79	5.12	2.78	0	9	14	9	7
1942	73 3	98	35	7.70	8.01	8.45	6.64	0	14	9	10	11
1943	75.8	101	43	6.39	7.58	7.06	4.54	0	12	12	11	7
1944	76.4	107	39	2.55	2.55	3.48	1.62	0	7	16	10	4
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.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period	73.7	112	33	4.68	4.75	5.06	4.22	0	9	14	10	6

NAT. HIST.

Climatological Data for June 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	80.5[a]	.....	95[a]	25	41[a]	6	15	5.27	+0.03	2.56	7	0	11	18[a]	7[a]	4[a]	s.	Curtis E. Grace
Bethany	Harrison	916	49	72.6	+ 0.6	94	26	42	6	51	5.29	+0.23	1.90	7	0	5	15	12	3	se.	A. S. Cumming
Brookfield	Linn	767	3	77 8	.....	101	25	51	7	3	3.33	.....	1.30	15	0	7	23	3	4	s.	G. F. Breen
Brunswick	Chariton	652	63	76.3	+ 3.3	98	25†	49	7†	65	2.10	−3.01	0.62	8	0	8	19	7	4	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	76.0	.....	98	27	48	7	14	1.68	−3.10	0.53	8–9	0	8	13	9	8	s.	Lockmaster
Chillicothe	Livingston	779	35	74.0	+ 1.7	95	25†	46	7	38	2.94	−1.79	1.23	8	0	11	22	6	2	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	76.0	+ 3.6	98	26†	45	7	35	0.73	−3.66	0.30	15	0	3	15	14	1	sw.	Dr. A J. Bradsher
Columbia	Boone	740	54	77.6	+ 4.2	100	28	46	7	54	0.83	−3.93	0.36	8	0	6	14	15	1	s.	U. S. Weather Bureau
Conception	Nodaway	980	55	74.4	+ 2.9	97	25	45	6	60	3.44	−1.51	2.02	7–8	0	10	12	12	6	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	73.2	+ 1.3	95	25	42	7	41	2.91	−1.96	0.85	7–8	0	7	6	17	7	sw.	Leltoy Mindrup
Elsberry	Lincoln	449	13	78.3	+ 3.9	100	23†	40	7	13	1.12	−2.32	0.36	26	0	5	18	12	0	s.	John Dowell
Fayette	Howard	760	64	75.6	+ 2.8	98	28	44	7	61	2.03	−2.54	0.94	11	0	6	20	7	3	se.	Irvin E. Schnell
Fulton	Callaway	818	56	76.2	+ 3.0	99	26†	43	7	52	1.58	−2.82	0.95	20	0	7	27	3	0	sw.	Frank E. Hillgartner
Grant City	Worth	1,134	40	73.0	+ 2.2	96	25	43	7	52	3.99	−1.01	1.85	8	0	9	11	9	10	sw.	Howard Rybolt
Hannibal	Marion	759	52	75.0	+ 2.5	98	27	45	7	60	1.28	−2.62	0.70	11–12	0	7	9	19	2	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	77.0	+ 3.4	97	25	50	7	55	3.78	−0.40	1.14	18	0	7	9	13	8	s.	U. S. Weather Bureau
Kansas City Univ. [1]	Jackson	908	6	78.0	.....	98	25	51	7	6	3.69[5]	.....	1.10	18	0	6	23	2	5	s.	University of Kansas City
Kidder	Caldwell	1,020	52	73.2	+ 1.4	94	25	47	6†	56	3.81	−1.16	1.38	8–9	0	9	17	4	9	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	76.2	+ 4.5	99	26†	47	7	62	1.43	−3.63	1.12	8	0	7	15	5	10	sw.	P. O. Selby
Lawson	Ray	1,070	6	74.4	.....	95	25	46	7	6	5.74	.....	1.58	18	0	10	18	8	4	s.	Frank G. Gstrein
Louisiana	Pike	469	50	75.5	+ 8.4	99	22†	39	7	63	0.65	−3.58	0.56	25–26	0	3	4	26	0	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	74.6	+ 2.2	96	26†	48	7	51	1.42	−3.30	0.74	15	0	5	15	8	7	sw.	John W. Atwell
Maryville	Nodaway	1,169	54	72.1	+ 2.3	95	25	44	7	50	4.61	−0.50	1.23	7–8	0	11	11	8	11	sw.	R. B. Montomery
Memphis	Scotland	787	5	73.6	.....	98	27	45	7†	14	1.66	−3.47	0.94	8–9	0	4	13	8	9	sw.	John W. Alexander
Mexico	Audrain	800	55	77.4	+ 4.2	105	26†	41	7	66	1.86	−2.88	0.39	11–12	0	10	7[a]	22[a]	0[a]	sw.	Henry D. Llewellyn
Moberly	Randolph	860	7	75.1	.....	97	26†	45	7	7	2.13	.....	0.74	15	0	6	14	13	3	sw.	James G. Carney
New Florence. 1 mi SE	Montgomery	885	1	75.2	.....	97	27†	46	7	2	2.00	.....	0.96	15	0	8	8	19	3	s	U. S. Weather Bureau
Oregon	Holt	1,048	88	74.8	+ 2.9	99	25	47	6†	88	4.50	−0.87	1.17	7–8	0	11	17	8	5	se.	Miss Mina Wright
St. Charles	St. Charles	520	56	78.8	+ 4.9	101	28	45	7	66	1.99	−2.01	0.85	12	0	7	18	11	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	34	75.0	+ 1.3	98	25	49	7	72	4.43	−0.52	2.34	7–8	0	10	19	6	5	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	75.7	.....	96	22†	47	7	6	2.30	.....	1.31	11–12	0	7	21	9	0	se.	Lockmaster
Shelbina	Shelby	779	3	75.6	.....	98	26†	40	6	51	1.89	−2.59	1.13	11–12	0	7	21	8	1	se.	Guyman Hatcher
Steffenville	Lewis	650	46	76.4	+ 3.8	100	27	47	20	51	0.69	−3.85	0.38	8–9	0	7	14	13	3	sw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	72.1	+ 0.3	97	25	44	7	50	3.61	−1.35	1.07	7–8	0	12	7	15	8	s.	.....
Trenton	Grundy	822	48	75.4	+ 3.2	96	25	45	7	49	5.42	+0.38	2.52	7–8	0	10	15	14	1	s.	W. H. Estes
Unionville	Putnam	1,062	51	73.4	+ 2.1	99	25	44	7†	51	5.26	+0.07	3.17	8	0	7	14	15	1	sw.	C. D. Wilson
Warrenton	Warren	816	62	78.7[e]	+ 5.3	100[e]	28	..	..	54	0.94	−2.84	0.40	16	0	3	18[e]	7[e]	0[e]	sw.	Dorris D. Brown
Keokuk, Iowa	Lee, Ia.	574	72	76.1	+ 3.6	98	27	49	7	72	2.45	−1.68	0.94	8–9	0	10	12	8	10	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**75.5**	**+ 2.9**	**105**	**26†**	**39**	**7**	..	**2.55**	**−2.20**	**3.17**	**8**	**0**	**8**	**15**	**11**	**4**	**sw.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	74.3	+ 1.6	94	23†	49	7	45	4.94	−0.99	1.49	12–13	0	7	21	4	5	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	76.4	+ 2.0	96	28	45	7	52	3.96	−1.06	1.90	8–9	0	7	12	11	7	sw.	Rolla Brown
Bolivar	Polk	1,071	41	77.4	+ 4.6	98	28	47	7	49	2.10	−3.21	0.64	18	0	8	20	8	2	sw.	Southwest Baptist College
Boonville	Cooper	650	6	75.4	.....	99	28	49	7	67	1.39	−3.66	0.45	11–12	0	6	15	12	3	sw.	Boonville Water Dept.
Carthage	Jasper	962	10	76.8	.....	95	28	49	7†	20	9.10	.....	3.70	18–19	0	8	14	16	0	s.	Carthage W. and E. Plant
Clinton	Henry	786	51	77.0	+ 3.2	97	25†	46	7	57	2.49	−2.41	0.98	8	0	7	11	17	2	s.	U. S. Weather Bureau
Eldon	Miller	934	49	73.2[5]	+ 0.2	..	..	45	7†	45	1.21[5]	−2.82	0.57	11	0	6	10[i]	8[i]	2[i]	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	76 4	.....	98	28	45	7	3	0.44	.....	0.34	8–9	0	2	22	4	4	sw.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	74.6	+ 1.5	95	28	48	7	69	6.30	+1.51	2.00	18–19	0	8	11	4	15	se.	John H. Patterson
Jefferson City	Cole	557	54	76.4	+ 2.6	99	26†	46	7	62	1.06	−3.17	0.45	8	0	4	20	6	4	s.	Mrs Frank Kliegel
Joplin	Jasper	1,008	22	78.0	+ 4.6	95	28	56	6†	39	7.51	+1.51	4.02	20	0	8	15	10	5	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	75.8	+ 0.8	99	26	44	7	13	0.96	−3.65	0.71	11–12	0	5	16	10	4	sw.	W. S. Frame
Lamar	Barton	980	56	75.0	+ 0.8	93	28	50	7	63	4.83	−0.71	1.85	8–9	0	7	23	5	2	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	74.8	+ 2.1	98	26†	42	7	57	1.23	−3.94	0.56	8–9	0	8	10	14	6	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	75.8	+ 2.9	96	25	50	7	60	5.49	+0.94	2.22	18	0	6	21	8	1	s.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	76.8	+ 3.2	98	28	48	7	48	3.74	−1.94	1.13	8–9	0	9	18	12	0	sw.	Hubert A. Nieman
Marshall	Saline	779	57	77.2[a]	+ 4.0	97	26	..	..	54	2.60	−2.20	1.22	12–13	0	7	13[a]	13[a]	3[a]	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,163	43	75.7	+ 3.9	95	23†	44	7	47	1.12	−3.82	0.28	14	0	8	6	24	0	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	74.9	+ 1.6	95	28	48	7	44	6.06	+0.80	2.80	19	0	9	15	8	7	s.	James C. Williamson
Neosho	Newton	1,011	57	77.2	+ 3.4	94	23†	50	7	61	7.86	+1.89	3.95	20	0	9	7	22	1	sw.	U. S. Fisheries Station
Nevada	Vernon	862	51	77.6	+ 4.1	97	28	49	7	52	3.34	−2.11	1.12	18	0	8	20	9	1	sw.	Henry Kraft
Ozark Beach	Taney	700	4	76.8	.....	98	28	49	7	19	3.47	−2.41	0.84	8–9	0	10	8	15	7	s.	A. J. Sharp
Sedalia	Pettis	910	31	76.6	+ 2.4	99	28	45	7	33	1.70	−3.58	0.65	11–12	0	8	19	8	3	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	75.0[e]	+ 2.6	88	23†	52	7	41	7.93	+2.98	2.71	19–20	0	9	17[e]	10[e]	0[e]	sw.	Floyd E. Fawver
Seymour..3½ miles NE	Webster	1,642	38	74.2	+ 2.5	94	28	42	7	38	2.57	−2.77	0.86	8–9	0	9	22	1	7	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	56	74.8	+ 3.1	94	28	46	7	56	2.23	−2.45	0.63	18–19	0	10	10	12	8	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	75.4	.....	97	26†	42	7	3	2.36	.....	0.92	18	0	6	15	14	1	s.	H. F. Nelson
Warrensburg	Johnson	878	57	77.2	+ 3.3	96	26	51	7	64	4.77	−0.29	2.31	18	0	8	23	3	4	s.	Central Teachers College
Warsaw	Benton	687	43	78.2	+ 4.4	99	28	45	7	49	1.84	−3.46	0.81	18	0	5	21	8	1	se.	Dora B. Johnson
Wasola	Ozark	1,294	3	74.1	.....	94	28	43	7	4	4.40	.....	1.49	12–13	0	10	21	9	0	sw.	A. W. Pinckney
Division means	**and extremes**	.....	..	**76.0**	**+ 2.7**	**99**	**26†**	**42**	**7**	..	**3.48**	**−1.58**	**4.02**	**20**	**0**	**7**	**16**	**10**	**4**	**sw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	77.0	.....	100	28	45	7	7	2.73	.....	....	..	0	8	9	9	12	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	76.0	+ 4.2	101	28	42	7	66	1.19	−2.95	0.65	12	0	4	21	2	7	s.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	74.9	+ 2.2	96	28	44	7	50	2.43	−1.98	1.16	14	0	7	22	7	1	s.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	75.2[d]	+ 3.3	100	26†	50[g]	7†	51	0.70	−3.36	0.41	5	0	5	20	8	2	sw.	Claude Volner
Campbell	Dunklin	314	18	80.1	+ 4.6	99	22†	50	7	18	2.09	−2.15	0.59	14–15	0	7	16	14	0	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	79.0	+ 0.6	97	23†	56	7†	52	1.86	−1.95	1.05	14–15	0	6	22	6	2	s.	Victor T. Malloure
Crystal City	Jefferson	420	10	79.0	+ 4.7	102	28	42	7	10	2.31	−3.11	1.25	21	0	5	14	13	3	sw.	Richard K. Ragland
Doniphan	Ripley	341	40	78.7	+ 3.7	102	28	45	7	40	1.56	−2.80	0.78	5	0	4	26	1	3	sw.	Boyce Lackey
Farmington	St. Francois	896	33	76.6	+ 3.8	98	23†	43	7	47	0.80	−3.08	0.30	5	0	5	8	10	12	s.	F. M. Karsch
Greenville	Wayne	381	35	76.9[a]	+ 3.3	103[a]	28	43[a]	7	37	2.31	−2.38	1.57	14	0	8	18[a]	9[a]	2[a]	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	79.8	+ 5.7	99	27†	47	7	54	1.01	−3.68	0.39	26	0	8	10	11	9	sw.	John G. Putz
Koshkonong	Oregon	958	43	77.6[a]	+ 3.2	99[a]	26	47[a]	7	44	2.53	−1.97	1.00	12–13	0	7	22[b]	6[b]	0[b]	sw.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	76.6	.....	99	20†	41	7	7	0.45	.....	0.28	5	0	2	23	5	2	s.	U. S. Forestry Service

Continued on next page

Climatological Data for June 1944—Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....1miles NNW	Dunklin	292	1	80.9	.....	102	23	52	7	1	0.98	.....	0.45	14	0	6	10	6	14	sw.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	76.2	+ 2.2	99	28	41	7	51	2.89	−1.59	1.42	21	0	6	19	10	1	w.	R. A. DeWitt
Poplar Bluff	Butler	339	39	81.4	+ 6.0	107	17†	48	7	10	1.17	−2.95	0.45	15	0	5	21	6	3	s.	Joe Rochin
Rolla	Phelps	1,202	44	76.9	+ 3.9	99	26	48	7	60	0.59	−3.82	0.32	8–9	0	4	11	16	3	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	78.9	+ 3.9	99	17	55	7	107	1.34	−2.48	0.60	25–26	0	7	11	15	1	sw.	**Section Center**
St. Louis Airport	St. Louis	556	7	78.4	+ 4.4	101	28	48	7	13	2.19	−2.10	1.00	12	0	7	10	17	3	sw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	78.6	+ 3.4	98	17†	53	7	32	1.27	−2.32	0.70	25–26	0	8	25	5	0	se.	St Louis University
Salem	Dent	1,173	40	75.9	+ 3.5	101	26	43	7	43	1.04	−3.61	0.47	30	0	5	18	11	1	s.	E. E. Martin
Sikeston	Scott	318	37	78.8	+ 4.5	101	28	47	7	47	2.37	−1.82	0.97	11–12	0	9	16	11	3	sw.	William B. Seabaugh
Union	Franklin	520	6	78.1	.....	103	27	48	7	27	2.49	−1.81	2.21	21	0	3	24	6	0	s.	Columbus L. Cunlo
Vichy .....2 mi. NW	Maries	1,125	8	77.0	.....	101	28	50	7	9	0.39	.....	0.17	8–9	0	5	13	13	4	sw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	78.2	.....	101	28	51	7	5	0.80	.....	0.40	14	0	5	15	12	3	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	77.0	.....	98	28	45	7	4	4.66	.....	2.55	15	0	4	20	10	0	s.	William J. Miller
West Plains	Howell	1,005	7	76.2	.....	98	26	46	7	7	3.96	.....	1.47	12–13	0	9	12	13	5	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	74.4	.....	96	25†	43	7	37	3.30	−1.53	1.26	14	0	8	19	8	3	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	80.2	+ 2.9	100	22	55	7	73	2.04	−1.79	0.85	1	0	8	9	12	9	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**77.8**	**+ 3.7**	107	17†	41	7	..	**1.62**	**−2.60**	**2.55**	15	**0**	**6**	**17**	**9**	**4**	**s.**	
State means	**and extremes**	.....	..	**76.4**	**+ 2.7**	107	17†	39	7	..	**2.55**	**−2.13**	**4.02**	20	**0**	**7**	**16**	**10**	**4**	**sw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for June 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Columbia//	Evaporation	.261	.289	.310	.....	.349	.272	.....	.133	.038	.131	.139	.261	.200	.188	.270	.243	.308	.360	.332	.258	.110	.279	.453	.299	.401	.338	.458	.331	.409	.232	....	8.199
(Univ. of Mo.	Mean temperature	76	78	77	69	70	60	58	60	69	72	76	74	76	77	80	80	80	82	68	67	76	84	86	78	80	85	81	83	78	76	..	75.2
Hort. Exp. Sta.	Wind movement	166	101	137	176	171	119	74	98	85	44	49	65	138	83	75	87	103	128	124	83	89	170	172	69	48	105	110	72	97	67	..	3,108
Lakeside	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(Osage Dam)	Mean temperature	78	77	76	78	72	64	59	62	70	73	78	76	76	77	78	80	82	82	74	65	76	82	81	79	79	84	81	80	80	76	..	75.8
	Wind movement	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis	Evaporation	.216	.256	.247	.269	.318	.158	.228	.215	.217	.169	.214	.203	.199	.186	.231	.274	.249	.294	.320	.322	.160	.083	.309	.290	.304	.310	.151	.287	.293	.266	....	7.238
(Washington	Mean temperature	81	81	80	80	77	62	60	70	77	76	80	81	80	83	82	82	85	85	76	66	74	84	88	80	79	81	86	86	80	78	..	78.6
University)	Wind movement	17	20	20	33	52	27	29	27	34	17	20	15	33	24	17	22	21	18	35	38	23	39	46	30	22	30	13	18	28	45	..	813

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement. // 7 mi. w.

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suffered from the lack of moisture, in most areas. Corn was in various stages of development, some early planted being nearly ready to be laid-by in southern portions during the latter part of the month, while in some areas, where overflows of April and May had delayed plantings, it was just being planted. The crop, as a rule, made good growth during the month, but at the close was badly in need of rain over most of the State. Wheat was better than previously expected, with harvest earlier than average. Oats were generally poor and short, and harvest began on closing days. Cotton stood the dry weather exceptionally well and made good progress, with chopping completed during the month. There were some reports of chinch bug damage to corn in the northeastern quarter of the State, during the latter half of the month. Fruit prospects were only fair at the end of June. A shortage of farm labor was acute in some areas, with harvesting and haymaking being carried on by exchange of work among neighbors.—M. R. W.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 76.4°, or 2.7° warmer than the 57-year June average. The highest monthly mean was 81.4° at Poplar Bluff, and the lowest was 72.1° at Maryville and Tarkio. The highest temperature reported was 107°, at Poplar Bluff on the 17th, 27th, and 28th, and the lowest was 39°, at Louisiana on the 7th.

PRECIPITATION

The average for the State, 194 stations reporting, was 2.55 inches, or 2.13 inches less than the 57-year June average. The greatest monthly amount was 9.10 inches at Carthage, and the least was 0.14 inch at Cuba. The greatest amount reported in 24 hours, was 4.02 inches, at Joplin on the 20th. The average number of days with 0.01 inch, or more, was 7.

MISCELLANEOUS PHENOMENA

Floods.—In Grand River on 9th, continuing into July in lower reach. In Mississippi River, in the reach from Keokuk, Iowa, to Grafton, Ill., continued from May and extended into July. In Missouri River, 14th to 26th, continuing into July at Waverly.

Fogs.—Heavy, 7th, 9th.

Hail.—Light, on 8th at Amity; on 13th at Kansas City Airport; on 14th at West Plains; on 15th at Macon; on 18th at King City, Eldon and Pleasant Hill. Moderate, on 18th at Kansas City Airport.

Windstorms.—High winds were reported on several days during the month, but those reported as windstorms were as

(Continued on page 40)

Daily Precipitation for June 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand					.82	.15	2.56	.20			.05	.78	.05					.55		.05	T.	.03	T.						.03			5.27
Amity[2]	do	T.				1.32			.54	2.49				1.73	T.		T.			1.08		.44	T.	.10	T.					.24			7.94
Bethany	do					1.23			1.90	1.14			.34						.68														5.29
Bowling Green[2]	Mississippi									.08							.09			.04		.18					1.23						1.62
Brookfield[2]	Grand									.80			.03	.76	.10		1.30			.26			.08										3.33
Brunswick[2]	do	T.							.04	.62				.46	.20		T.			.38		.04	.21							.15			2.10
Canton, Lock No. 20[2]	Mississippi	.37							.01	.53			.19	.50			.04			.03			.01										1.68
Centralia[2]	do											T.	T.				.65			.19			.18							.21			1.23
Chillicothe[2] (A)	Grand	.06				.05			.17	1.06	T.			.68	.17		.14			.46		.06	.06							.03			2.94
Chillicothe[2] (B)	do					.05			.10	.85				.50	.20		.40			1.21		.04	.14							.01			3.50
Clifton Hill	Chariton												.18			.30			.25														0.73
Columbia[1, 5]	Missouri					T.			.36	T.		.09	.02		.02	T.			.02		T.	.32							T.			0.83
Columbia ...(7 mi. w.)	do	.35								.24			.49	.17									.45								.13		1.83
Conception	do					.71		.13	1.89	.07			.20	.07					.18		.09		.05							.05			3.44
Edgerton	do					.19			.85				.75	.05	.25				.65		.17							T.	T.	T.			2.91
Edina[2]	Mississippi					.02			.12	.87	.02			.21			T.			.04													1.28
Elsberry	do									.05							.22		.15			.34					.36						1.12
Elsberry S. C. S.[2]	do									.02							.14			.16		.20	T.				.32						0.84
Farber[2]	do	.53																															
Fayette	Missouri								.57			.94	.11						*	.25	T.	.16					T.		T.				2.03
Fulton[2]	do								.36			.01	.14		.02	.02		.08				.95											1.58
Gallatin[2]	Grand	T.				.21			.55	1.40				.58			.07			.89		.14	.04							.15			4.03
Grant City	do					.82		T.	1.85	.15			.15	.27					.15		.03	T.		T.					.30	.27			3.99
Hannibal[1] (A)	Mississippi								.08	.20		.68	.02	.01		T.			.28			.01											1.28
Hannibal[2] (B)	do	T.								.38			.60				T.			.28							T.						1.26
Hermann[2]	Missouri	.02								.05			.03							.02		.12	1.13										1.37
Kahoka[2]	Mississippi								.18	.20	.10		.40							.20			.35										1.43
Kansas City Airport[1, 5]	Missouri				.14			T.	.99				.68	.63	.08	T.			1.14		.12								T.			3.78
Kansas City University	do					.14			.86				.65		.80				1.10	T.	.11												§3.69
Kidder[2]	Grand	.07				.19			.44	1.38			T	1.10	.07					.35		.09	.12							T			3.81
King City	Missouri					1.10		.11	1.79	.90			.15	.10					1.72		.10		T.										5.97
Kirksville	Mississippi				T.	.04		T.	1.12	.16	T.		.01			T.			.04	.02		T.	.04						T.			1.43
LaBelle[2]	do	T.							T.	.51	T.		T.	.18						T.													0.69
Lawson	Missouri					.05		T.	1.27	.05			1.34	.04	.74				1.58		.15	.28								.24			5.74
Linneus[2]	Grand								*	1.30			.50	.01			.80			.30													2.91
Louisiana[2] (A)	Mississippi									.02										.07							.56						0.65
Louisiana[2] (B)	do	.03							.01	.02				.04						.10							.72						0.92
Lucerne[2]	Grand					.62			1.06	1.73	.13			.18						.34			.08	.07						.01			4.22
Macon[2]	Chariton								.03	.42			T.				.71			.20			.03						T.				1.42
Madison[2]	Mississippi									.44				.33	.03		.65			.12			.12										1.69
Martinsburg[2]	Missouri																1.77			.02			.59				T.						
Maryville	do					.88		.09	1.23	.08			.08	.52					.50		.07		.89					.20	.07	T.			4.61
Memphis[2]	Mississippi								.20	.94	T.			.11						.41			T.										1.66
Mexico[2]	do	.29								.33	.04		.31	.08	.07		.27	.04		.12			.31										1.86
Milan[2]	Grand					.40			.60	1.35		.03		.62						.64		.02	.12	.18						.03			3.99
Moberly[2]	Mississippi									.34			.03	.45	T.		.74			.22			.35										2.13
Monroe City	do								.16	.12		1.39				.16			.15			.12										2.10
New Florence[3], 1 mi SE	Missouri					T.		T.	.09	.08		.15	.11		T.	.96			.14			.45				T.	.02		T.			2.00
Oregon	do					1.02		.22	.95	.65			.12	.60					.23		.23		.12			.18		.18				4.50
Palmyra	Mississippi								.02	.28			.22	.45			.02			.06													1.05
Paris[2]	do	.09							T.	.40				.09						.11		.03	T.				T.						0.72
Perry	do									.17						.57				.46		.17											1.37
Philadelphia[2]	do																																
St. Charles[2]	Missouri	.05												.85			.48			.10		.10	.08				.33						1.99
St. Charles[2] (B)	do									.05				.63			.67			.13		.12	.06				.47						2.13
St. Joseph[1, 5]	do				.39			.17	2.19	.01			.60	.02					.64	T.	.16	T.	.13							.12			4.43
Saverton, Lock No. 22[2]	Mississippi	T.							T.	.24			1.26	.05	.01		.04			.16			T.				.54						2.30
Shelbina	do							.01	.37	.06		.36	.77	.17						.12													1.89
Shelbyville[2]	do									.60				.22						.26		.28											1.36
Steffenville	do							.01	.33	.05		.07	.09			T.				.13										.01			0.69
Tarkio[3]	Missouri			.04	.37			.27	.80	.10			.02	.46	T.				.70		.07		.54					T.	.02	.22			3.61
Trenton	Grand					.23		T.	2.52	1.18			.85	.08		T			.40	.06	.03	.05	T.							.02			5.42
Troy[2]	Mississippi									T.				.04			.61			.20		.28	.38				.22						1.73
Unionville[2]	Chariton					.34			.38	3.17				.63						.64			.06	.04									5.26
Warrenton	Mississippi																.40					.27					.27						0.94
Keokuk, Iowa[1]	do					T.		.03	.25	.71			.28	.05		.13	T.		.12				.18			.69	.01		T.			2.45
Southwestern Division																																	
Altona[2]	Osage					T.				1.20				.85	.64					1.16	*	.45								.48			4.78
Anderson[2] ...1½ mi. sw	Neosho					.27				1.42				1.49	.02					.09	1.15				.50	T.							4.94
Appleton City	Osage								1.20	.70			.18	.08	.27					1.23	.30												3.96
Ava Ranger Station[2]	White					.30								.65						.60	.30		.72		1.17								3.74
Bakersfield[2]	do					.20	1.01			.21				1.21	.45	.44				.05		.05											3.62
Bolivar	Osage					.20			.09	.60			.01	.21						.64	.30				.05					T.			2.10
Boonville[2] (A)	Missouri									.31			.45	.16						.10		.28								.06			1.39
Boonville[2] (B)	do									.33			.92	.15	.05					.06		.03	.29							.03			1.86
Buffalo[2]	Osage					.14				.57	.11			.08						.09		.17			.32								1.48
Butler[2]	do									1.38				.90	.92					1.02	.33	.42								.07			5.04
Caplinger Mills[2]	do	T.				.19				.72				.35	.05					1.18	.11	.16				.05					1.52		4.33
Carthage	Neosho					.48			.37	.85			.96	.55						3.70	1.57				.62								9.10
Clinton[3]	Osage							T.	.98	.01			.13	.08	.40				.59		.30												2.49
Concordia	Missouri								.42	.18			.49	.30		.65				1.49	.11												3.64
Crocker	Osage								.27	.41		.17	.44							.15										.62			2.06
Eldon[2]	Missouri	.01				.04				.14			.57	T.						.32		.15											§1.21
Eldorado Springs	Osage								.36	.57			.07	.22	.11					1.12	.25						T.			.10			2.80
Elijah	White	.62								.45				.95	.44					.14	.03	.05											2.68
Fort Leonard Wood[2]	Gasconade					.10				.34	T.																			T.			0.44
Galena[2]	White	.13								1.50				.63	1.10		.11			.87	.13	.54											5.01
Granby[2]	do					.42				.86				1.22		.06	.05			.51	.46	2.22			.02								5.82
Hailey	do				.34				.34	1.08			.23	.36	.92					1.48	.62												5.37
Harrisonville[2]	Osage	.08								1.85				1.31	.61					2.00	.08	.34								.03			6.30
Jefferson City[2]	Missouri	.29								.45				.30								.02											1.06
Joplin[1]	Neosho					.08			.38	.78	T.		.22	.68						.20	4.02			1.15									7.51
Lakeside[2]	Osage					.02				.10			.33	.38						T.		.13											0.96
Lamar[2]	Neosho									1.85				.55	.23					1.10	.05	.90			.15								4.83
Lebanon[2]	Osage									.33	.23			.48	T.					.02		.10			.02								1.23
Lexington[2]	Missouri	1.10				*	.05			.93				.31	.70					2.22		.23											5.49
Lockwood	Osage					.35			.15	.93			.32	.53	.03					1.01	.27				.10					T.			3.74
Macomb[2]	White					.07	.05			.45	.03			.77	.54						.13	.23			.30								2.57
Marshall	Missouri								.17		T.	.02	.75	.47						.29	.05	.85											2.60
Marshfield[2]	White	.01				.10				.38				.16	.02					.47	.20				1.47								2.84
Mountain Grove	do					.18			T.	.18			.22	.05	.28						.13				.06					.02			1.12
Mount Vernon[2]	Neosho					.60			.15	.34				1.21	.14					2.80	*	.64			.18								6.06
Neosho	do					.56			.40	.78		.09	.60	.95	T.					.50	3.95				.03								7.86
Nevada	Osage					T.			.42	.51			.11	.31	.35					1.12	.48				.01					T.			3.34
Osceola[2]	do									.65				.18	.07					.83		.15								.20			2.08

Continued on next page

Daily Precipitation for June 1944 Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Southwestern Division—Concluded																																	
Ozark Beach[2]	White					.17				.69	.15			.39	.36	.16				.79	.07	.37									.32		3 47
Pierce City[2]	Neosho					.60				.78			.05	.90						2.02	1.45	.55											6 35
Pleasant Hill[2]	Osage	T.							1.61				.66	.98		T.				1.78	.03	.30			T			T.		.07		5 43
Roby	Gasconade					.19		T.	.06				.18	.02	T.					T.	.07				.03							0 65
St. Thomas[2], 2¼ mi SW	Osage					T.			.25																							0 25
Sedalia	Missouri								.33	.03		.28	.37	.02	.14					.38	.15											1 70
Seligman	Neosho					.21			.35	.91	.05		.44	.45	.87					2.41	2.71											7 93
Seymour	3½ mi. NE White					.13			.10	.76			.45	.10	.16					.11	.32				.44							2 57
Shell Knob[2]	3 mi. SE ....do					.10				1.23				.60	.05	T.				1.98	.48	.09											4 53
Silloam Sprgs Lookout[2]	....do													.49	*	1.71																	2 20
Springfield[1, 5]	½ mi. E ....do					.21			.55	.08			T.	.22	.06				.58	.08	.35			.06	.04					T.			2 24
Stover[2]	Missouri									.18				1.17						.54													2 19
Sweet Springs	....do								.20	.32			.24		.48					.92	.20												2 36
Tecumseh[2]	¼ mi. W White					.50	.15									.50	.15			.08													1 38
Topaz[2]	....do				.27							.57		*	1.46					T.	.22			.25									2 77
Vanzant[2]	3¾ mi. SE ...do					*	.30			.37	.13			.89	.11	1.33				.08	.20	.17			.23								3 81
Warrensburg	Missouri					.02		T.	.46	.33			.95	.03	.54					2.31	.13												4 77
Warsaw[2]	(A).. Osage							T.		.40		T.	.09	.32						.81		.22											1 84
Warsaw[2]	(B).. ....do							T.		.40		T.	.09	.32						.73		.16											1 70
Wasola	White					.24			.11	.47			1.20	.29	1.20					.24	.28				.32					.05			4 49
Waverly[2]	Missouri	.24								.87			.10	.35	.55					1.35		.15	.50										3 61
Wilderness Lookout[2]	White	.06				*	.12			1.74				.53		.55				2.05	.28	.25									T.		5 58
Southeastern Division																																	
Advance[3]	¼ mile W St. Francis					.01				.13			.22	.16	.67							.63								.80	.11		2 73
Alton	10 miles SE Black					.09							.04	.13	.14	.04														.11			0 55
Annapolis (1)	St. Francis					.11							.09		*	.82														.35			1 37
Annapolis[2] (2)	7 mi. W ....do	.24				.04	.09			T				.40	.30	.82				.04										.01	.13		2 07
Arcadia[2]	....do						.07			.07				.65		.40				T.		T.											1 19
Banner[2]	Black					.16	.09			.03				.05		.03				.40							.64						1 40
Belleview	Meramec					.46			T.				.50							.30		T.					.35			T.			1 61
Birch Tree	½ mile E Black					.42			T.	.03	T.		.45	.06	1.16					T.					.20					.11	T		2 43
Black	9 miles NW ....do					.41				.12			.04		.12					.01											T		0 70
Bunker[2]	4 miles NW ....do					.05	.18							.16		.20				.04											.02		0 65
Campbell	St. Francis	.30				.48				.05				.22	.24	.35														.45			2 09
Cape Girardeau[2]	Mississippi						.05							.28	.02	.86							1.02										2 23
Caruthersville[2]	....do	.38	.20							.13		.05				1.05							.05										1 86
Centerville[2]	Black	.01				.35	.10			.09			.11	.61		.33															.01		1 70
Cook Station[2]	Meramec	.10			*	.10				T.				.15						.08											T.		0 43
Crane Mountain[2]	St. Francis					.01	.04			.10				.10	*	.23				.05										.01	.05		0 59
Crystal City	Mississippi					.08				T.			T.	.12		T.				.44		1.25									.42		2 31
Cuba	Meramec					.01				.03			.07																				0 14
Deering[2]	St. Francis			.09			.04							.18		2.05							.09										2 45
De Soto[2]	Mississippi						.07				.01			.31						.06		.75	.80				.09						2 09
Dexter[2]	St. Francis		.02				.04			.02			.55		.20	.25							.24							.11	T.		1 43
Doniphan	Black					.78								*	.53	.25	T.																1 56
East End[2]	Meramec						.30							.37																			0 77
Ellington[2]	Black	T.				T.	.23			T.			.09	.21	1.23	.43				T.					.09				.02	.07		2 37
Ellsinore Lookout[2]	....do									.15		.40																					0 55
Farmington	St. Francis					.30							.08		.01							.26				.15							0 80
Fisk[2]	....do						.06		T.	T.		T	T.	.07	.13	.59									T.				T.	T.		0 85
Fredericktown[2]	....do													.12		.23	.67					.57				.10							1 69
Gerald[2]	Meramec	.14								.10							.28						.60										1 12
Greenville	St. Francis	T.				.28				.03			.05	T.	1.57					.03		.08							.08	.19		2 31
High Lookout[2]	Black	.02				.50	.35			.02				.15	.05	.75														.10	.93		2 87
Jackson	Mississippi	.06				.02				.02			.23	.07								.14		.08		.39							1 01
Jefferson Barracks[2]	Mississippi						.02		.02					.13			.33			.12		.12	.25		.23								1 22
Jerome[3]	Gasconade					.10				.40										.04		.08											$0.62
Koshkonong	Black					.52			.05				.82	.18	.87					.04	.05												2 53
Leeper[2]	....do	.05					.21							.21		1.50														.08	.40		2 45
Licking	4 miles N Gasconade	T.				.28							T.	.17							T.												0 45
Macedonia Lookout[2]	Black													.10		.50																	0 60
Malden[3]	4 miles NNW Mississippi	.16				.20			T.	.01		T.	T.	.15	.45	T.					T.	T.			.01					T.			0 98
Marble Hill	....do	.10				.30								.10	.85							1.42								.12			2 89
Meramec Park[2]	Meramec						T.			T.	T.		T.	T.	T.					T.			.88										0 88
Morehouse 1	Mississippi					.11								.40	.25	.75					.55										.55		2 61
Moselle[2]	Meramec													.15	.02		.04			.18		1.40	.54							.10			2 43
New Madrid[2]	Mississippi		T.				.15			.03					.05	.20	.80						T.		.10					.20			1 53
Owensville[2]	Gasconade					.07				.06			.09	.24	T.		.12			T.		.01											0 59
Pacific[2]	Meramec																																
Parma[2]	St. Francis		.53				.12							.51	.30	.80																	2 66
Perryville	Mississippi	*	.28															.80															1 08
Pilot Knob[2]	2 mi. NE St. Francis				.40		.02							.52		.19													.09				1 22
Poplar Bluff[2]	(A).. Black						.18								.14	.45									.38					.02			1 17
Poplar Bluff[2]	(B).. ....do						.10								.21	.53									.13					.06			1 03
Reynolds[2]	....do					*	.86			.19				.13		.40				.80													1 88
Richwoods[2]	Meramec													.30						.10			.38								.21		0 99
Rolla[2]	....do	T.				.05	T			.32	T.		T.	.17						.05		T.									T.		0 59
Round Spring[2]	Black	.15					.38			.14				.16		.30																	1 13
St. Louis City Office[1, 5]	Mississippi					.01			T.	T.			.10	T.		.03				.15		.45							.19	.41			1 34
Airport[3]	Missouri					T.		T.	T.	.02			1.00			.23				.11		.14							.61	.08			2 19
St. Louis Univ.[1, 5]	Mississippi					.01			.01				.14	T.		.06				.08		.27							.24	.46			1 27
Washington Univ.[2]	....do													.32			.25			.12		.15	.19				.55						1 58
Salem[2]	Meramec					.05	.09			.23				.20	T.						T.	T.									.47		1 04
Sikeston[2]	Mississippi		T.				.19						.46	.51	.18	.50	.06						.05							.34	.08		2 37
Steelville[2]	Meramec																																
Summersville	Black					.24							1.41		.37					T.	T.									T.			2 02
Union	Meramec																			.10		2.21									.18		2 49
Valley Park[2]	....do								.08	T.				.60			.44			.04		.70	.49				.12				.04		2 51
Van Buren	Black					.27									.73																		1 00
Vichy[3]	2 miles NW Meramec					.16			.09	.08			.05		T.	T.			.01		T.	T.											0 39
Wappapello Dam[2]	St. Francis		.05				.10							.24		.40														.01			0 80
Weingarten	Mississippi					.14										2.55																	4 66
West Plains[3]	Black					.93			.02	.04			1.26	.21	1.29					.10	.08	1.54			.03					T.	T.		3 96
Williamsville[2]	....do	.27					.49							.24		.70															.04			1 74
Willow Springs[2]	500 ft E White	.41					.13			T.	T.			.56	.68	.58				.03	T.	.09									.82			3 30
Winona Ranger Sta.[2]	Black	.06				.15	.35			.09				.38	1.01	.21				.03		.01			.56					T.	.17			3 02
Zalma	3½ miles S Mississippi	T.				.15				.02			.26	.05	.84							.43					.04							1 79
Cairo, Ill.[1, 5]	....do	.85				.05			T.	T.			.23	.30	.40							T.		.10					.03	.08			2 04

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for June 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick /	Maximum	93	90	89	86	73	68	75	70	78	80	92	87	90	89	93	94	94	93	75	70	90	94	94	92	98	98	97	98	82	88	..	87.0
	Minimum	69	71	71	71	65	53	49	49	62	63	63	64	70	65	65	70	73	74	59	56	56	67	77	68	68	70	76	73	69	63	..	65.6
Chillicothe /	Maximum	90	89	88	82	70	68	71	66	79	76	89	87	87	89	90	93	93	91	77	69	93	93	89	92	95	95	94	87	75	86	..	84.8
	Minimum	66	71	69	68	59	50	46	47	59	61	61	62	69	64	64	70	72	73	57	55	55	60	71	64	64	64	74	72	65	60	..	63.1
Columbia	Maximum	90	89	88	87	77	68	72	73	80	81	91	87	87	90	93	93	95	94	79	70	90	97	96	91	99	100	99	100	87	90	..	87.8
	Minimum	70	71	70	73	61	49	46	63	63	66	71	70	67	70	72	71	70	63	58	66	77	73	67	69	74	74	74	71	67	67	..	67.3
Fayette	Maximum	89	87	86	85	80	68	72	69	74	80	91	82	85	87	91	91	92	92	85	74	90	94	95	90	95	97	96	98	84	89	..	86.3
	Minimum	67	70	66	70	62	51	44	60	62	60	63	64	68	66	67	68	68	71	57	54	63	74	77	65	63	72	68	74	69	63	..	64.9
Grant City	Maximum	87	88	84	78	77	67	69	63	76	72	88	81	82	87	90	91	91	86	75	72	91	92	86	86	96	94	93	86	74	83	..	82.8
	Minimum	69	68	68	70	54	46	43	54	58	59	63	67	65	65	70	72	72	66	53	54	65	68	69	57	67	74	75	68	60	60	..	63.3
Hannibal	Maximum	89	88	88	88	77	66	74	73	79	74	87	89	85	88	92	90	93	92	73	75	89	95	94	97	95	97	98	97	81	82	..	85.8
	Minimum	69	69	67	70	56	48	45	59	62	61	59	69	67	66	68	68	70	65	56	50	64	75	71	65	65	66	72	73	65	63	..	64.1
Kansas City Airport.	Maximum	90	90	85	84	73	68	72	70	72	77	92	83	86	87	92	93	93	92	77	78	94	94	92	97	95	95	92	79	85	..	..	85.7
	Minimum	74	73	73	72	58	52	50	62	63	62	66	71	65	64	75	75	76	67	61	60	68	78	74	69	72	79	79	74	67	66	..	68.2
Kirksville	Maximum	91	90	89	87	84	69	74	67	80	75	89	88	88	91	93	94	95	93	75	78	93	97	94	92	98	99	99	97	85	87	..	87.7
	Minimum	69	70	67	71	59	48	47	54	60	59	60	68	68	70	69	70	70	72	54	50	65	73	76	63	66	72	71	73	65	59	..	64.6
Lawson	Maximum	88	87	85	80	77	68	72	70	75	78	90	81	85	87	91	93	92	90	75	73	92	91	90	88	95	93	93	90	77	85	..	84.4
	Minimum	70	69	67	71	55	47	46	60	60	60	63	64	64	63	71	71	72	64	54	56	63	74	74	66	68	74	74	70	63	60	..	64.4
Louisiana /	Maximum	91	91	89	90	76	68	74	76	81	82	89	91	89	91	95	93	95	87	75	77	91	99	96	90	98	95	99	97	83	83	..	87.7
	Minimum	67	70	65	69	74	53	39	43	61	61	63	61	68	71	65	68	67	73	61	47	49	65	79	62	57	66	71	69	70	66	..	63.3
Macon /	Maximum	89	87	86	85	70	67	73	70	77	77	90	86	86	87	91	91	91	91	73	75	89	93	92	89	95	96	96	95	84	89	..	85.3
	Minimum	68	71	68	70	63	50	48	51	59	60	61	62	70	67	67	68	68	70	56	50	52	65	77	67	66	72	73	71	65	62	..	63.9
Maryville	Maximum	87	86	82	77	75	64	68	62	71	70	85	80	83	86	90	90	91	85	72	70	90	92	88	85	95	94	88	85	75	81	..	81.8
	Minimum	68	67	67	69	54	45	44	52	55	58	61	67	63	65	68	71	71	67	51	54	63	66	67	63	67	74	70	65	61	60	..	62.4
Mexico /	Maximum	91	91	91	90	75	70	76	76	80	80	94	90	90	93	98	95	97	96	79	77	90	100	100	91	101	105	105	104	89	90	..	90.1
	Minimum	69	69	68	70	66	50	44	50	63	63	63	68	69	65	68	69	70	71	60	51	59	65	73	65	64	71	73	70	68	66	..	64.7
Moberly /	Maximum	89	87	87	86	72	67	72	72	76	78	89	85	85	87	92	90	92	91	73	73	88	94	92	87	95	97	97	97	84	87	..	85.4
	Minimum	69	71	68	73	62	51	45	51	61	60	62	65	67	67	70	66	68	74	58	52	56	66	78	65	68	73	74	71	69	63	..	64.8
Oregon	Maximum	90	90	83	80	77	70	69	67	67	75	91	84	90	92	94	95	94	87	79	75	95	96	88	92	99	96	95	85	77	85	..	85.2
	Minimum	69	68	69	70	53	47	47	54	59	59	65	63	63	64	69	76	73	68	55	56	64	74	71	61	72	77	72	69	63	64	..	64.5
St. Charles /	Maximum	94	93	91	92	79	70	75	79	87	89	95	90	90	96	97	96	99	96	84	80	85	100	98	92	98	95	99	101	87	87	..	90.5
	Minimum	71	72	69	71	75	54	45	59	63	66	60	70	70	73	73	69	72	73	67	53	59	64	78	67	64	69	74	71	71	69	..	67.0
St. Joseph	Maximum	90	89	83	80	70	67	68	68	67	76	90	81	87	90	92	93	93	85	76	74	94	94	86	90	98	95	95	86	72	84	..	83.8
	Minimum	71	70	72	64	55	50	49	57	62	62	66	67	66	68	75	76	75	66	60	57	67	68	69	64	74	79	79	70	64	63	..	66.2
Trenton	Maximum	90	88	87	85	82	71	74	64	78	76	88	86	88	89	92	93	93	90	77	77	92	93	91	90	96	95	95	91	76	85	..	85.7
	Minimum	66	68	68	71	68	49	45	55	61	61	62	69	68	66	69	72	73	71	55	53	64	68	77	62	66	77	77	71	63	60	..	65.2
Unionville /	Maximum	92	89	94	92	75	73	79	64	80	81	90	88	89	90	92	95	93	90	76	80	92	96	91	89	99	97	97	92	89	91	..	87.8
	Minimum	64	68	66	63	56	45	44	44	52	57	57	60	67	67	66	68	69	68	52	50	50	61	55	62	60	56	63	65	60	57	..	59.1
Warrenton	Maximum	89	87	86	88	79	..	..	..	..	..	91	91	89	92	94	91	93	93	83	75	86	96	95	91	97	97	99	100	87	87	..	[e]90.2
	Minimum	67	70	67	68	64	..	..	..	..	..	66	68	68	68	71	66	69	73	64	48	61	69	78	66	67	67	67	72	71	64	..	[e]67.2
Keokuk, Iowa	Maximum	91	89	88	88	80	66	70	73	81	71	85	89	88	90	92	93	93	93	68	78	89	95	89	87	96	91	98	94	83	82	..	85.7
	Minimum	74	75	70	74	55	50	49	60	63	61	60	70	69	74	72	68	76	66	58	54	68	77	71	67	67	68	75	72	68	63	..	66.5
Southwestern Division																																	
Clinton	Maximum	91	89	89	85	80	73	75	70	80	85	92	83	87	87	91	93	94	94	81	78	94	93	89	91	97	97	97	97	89	91	..	87.7
	Minimum	72	70	69	72	60	51	46	61	61	62	67	70	63	64	71	71	72	68	61	59	66	73	73	69	67	76	71	69	70	65	..	66.3
Eldon /	Maximum	89	87	85	87	76	70	72	74	80	84	91	85	86	90	92	92	94	92	80	..	..	..	..	..	..	..	..	..	..	..	..	[k]84.5
	Minimum	65	67	65	66	67	51	45	45	56	61	63	67	67	64	64	67	70	72	63	55	..	..	..	..	..	..	..	..	..	..	..	[j]62.0
Harrisonville /	Maximum	88	88	86	78	76	73	73	68	75	79	89	80	83	85	90	91	91	92	77	78	91	89	87	88	93	93	93	95	84	86	..	84.6
	Minimum	69	69	68	70	57	49	48	54	59	58	63	67	61	63	63	70	70	72	57	60	61	72	74	65	69	70	76	70	68	64	..	64.5
Jefferson City /	Maximum	89	88	86	88	76	70	74	75	81	88	91	87	85	91	92	91	93	92	82	71	90	95	93	97	99	98	99	91	91	..	..	87.9
	Minimum	69	70	62	70	68	51	46	52	59	61	64	63	69	64	62	71	69	73	64	56	57	66	76	67	65	73	73	70	71	65	..	64.9
Joplin	Maximum	87	84	82	84	80	72	78	76	78	86	88	81	83	83	88	89	89	89	80	82	90	89	92	90	92	91	91	95	88	89	..	85.5
	Minimum	72	71	72	74	66	56	56	64	63	66	72	70	66	69	75	78	76	73	70	65	76	79	73	72	74	77	75	73	74	69	..	70.5
Lamar /	Maximum	87	86	85	82	78	71	75	73	72	85	87	80	82	83	88	90	90	90	79	80	90	89	91	87	92	91	90	93	89	88	..	84.8
	Minimum	68	68	67	67	63	51	50	51	60	61	62	68	62	62	64	72	70	70	66	62	62	71	73	69	69	70	70	70	69	67	..	65.1
Lebanon /	Maximum	89	86	85	87	73	70	75	71	79	87	90	83	85	87	91	91	93	92	81	80	92	94	95	92	96	98	96	98	92	87	..	87.2
	Minimum	65	67	66	66	64	50	42	44	58	57	60	64	63	62	63	68	68	70	63	52	58	64	71	69	62	69	72	66	68	65	..	62.5
Lexington /	Maximum	89	90	87	82	75	70	74	69	77	81	92	81	85	87	92	93	93	92	78	72	93	92	94	90	96	95	94	95	81	90	..	86.0
	Minimum	66	69	70	72	60	51	50	56	60	62	64	69	65	63	64	72	74	75	58	58	59	71	76	67	69	76	73	72	68	63	..	65.7
Marshall	Maximum	89	88	87	85	84	74	..	70	71	77	90	89	86	87	92	92	93	92	90	77	92	93	94	90	96	97	96	96	90	87	..	[a]87.7
	Minimum	64	71	70	61	57	47	..	61	62	63	64	71	67	65	71	74	75	65	65	56	66	75	78	67	73	73	71	72	69	63	..	[a]66.8
Mountain Grove	Maximum	87	86	83	85	81	71	72	77	80	88	88	87	84	85	89	89	91	91	86	86	89	93	95	94	92	95	94	95	94	91	..	87.3
	Minimum	68	66	63	66	61	52	44	52	60	62	67	66	63	64	65	68	69	71	65	58	59	72	71	70	63	69	70	66	69	64	..	64.1
Neosho	Maximum	89	87	84	85	87	79	80	79	79	90	90	86	85	85	90	90	91	93	89	81	90	90	94	94	94	93	92	94	93	90	..	88.1
	Minimum	68	65	68	71	63	53	50	60	62	60	66	69	64	71	70	73	68	70	68	61	70	74	72	70	65	71	69	66	68	65	..	66.3
Nevada	Maximum	88	89	85	85	82	78	80	77	79	88	92	85	85	86	90	92	95	92	85	84	92	91	94	94	95	94	95	97	94	88	..	88.3
	Minimum	68	68	68	69	60	53	49	61	60	61	67	72	62	64	72	74	70	71	65	61	70	77	73	70	68	73	71	69	73	68	..	66.9
Sedalia	Maximum	89	88	88	86	88	75	74	70	79	81	91	88	85	86	91	93	94	94	88	75	94	94	92	92	95	97	97	99	92	86	..	88.0
	Minimum	71	68	67	71	60	49	45	60	60	59	64	70	64	63	68	70	71	73	58	56	64	72	74	65	67	74	72	71	69	64	..	65.3
Springfield ..½ mile E	Maximum	86	85	83	85	75	71	73	70	78	87	87	80	81	84	88	89	90	90	82	74	90	90	92	89	91	93	92	94	86	89	..	84.8
	Minimum	67	66	66	69	58	48	46	58	60	61	68	69	63	64	69	69	68	64	64	60	63	72	71	70	67	70	70	69	70	66	..	64.8
Warrensburg	Maximum	89	89	87	88	83	76	73	70	77	78	90	88	84	86	90	92	93	92	90	79	95	92	91	90	95	96	94	95	93	87	..	87.4
	Minimum	72	70	69	66	60	52	51	61	61	62	66	69	64	63	72	72	72	74	59	58	66	79	76	68	72	75	73	73	69	64	..	66.9
Southeastern Division																																	
Areadia /	Maximum	96	96	90	96	78	74	75	83	84	95	94	95	89	93	89	94	96	94	88	73	88	97	100	94	96	97	98	101	87	92	..	90.7
	Minimum	64	67	65	64	63	51	42	44	49	59	59	62	64	68	66	66	67	66	67	49	54	61	72	72	57	58	68	63	66	65	..	61.4
Birch Tree .. ½ mile E	Maximum	80	88	86	85	82	72	70	78	80	88	89	87	83	84	89	89	91	90	87	79	89	92	93	93	90	95	93	96	90	87	..	86.5
	Minimum	61	62	64	66	63	53	44	46	63	61	63	66	66	66	65	65	66	71	69	59	57	68	72	72	58	66	67	64	69	68	..	63.3
Carruthersville /	Maximum	87	89	89	90	86	78	75	84	83	89	92	90	85	88	90	93	95	89	74	87	97	87	90	94	97	97	95	90	88	..	..	88.8
	Minimum	69	70	71	70	71	66	56	56	61	68	71	71	72	72	69	70	73	75	77	63	63	63	71	75	68	69	73	74	74	73	..	69.1
Crystal City	Maximum	95	93	91	92	90	79	75	82	86	90	94	94	90	94	98	98	101	98	97	87	85	98	97	91	96	94	99	102	95	88	..	92.3
	Minimum	66	70	65	69	70	54	42	58	60	62	65	70	70	70	68	67	69	70	68	53	60	67	78	70	60	67	71	68	74	66	..	65.6
Doniphan	Maximum	93	91	93	91	87	78	76	88	90	92	94	92	89	89	94	95	96	97	92	97	93	99	99	93	94	160	100	102	95	92	..	92.7
	Minimum	66	63	68	63	65	56	45	48	62	62	67	68	59	70	69	67	67	70	72	61	51	70	72	76	59	68	68	66	73	71	..	64.7
Farmington	Maximum	92	89	87	88	83	70	73	81	85	88	92	88	88	89	93	94	97	95	85	77	85	96	98	89	96	95	97	98	86	86	..	88.7
	Minimum	67	68	65	66	65	55	43	52	61	60	62	68	67	70	67	70	70	68	52	59	70	76	70	58	66	70	66	71	64	..	..	64.6
Jackson	Maximum	87	92	91	94	95	80	75	85	87	90	96	92	92	88	92	95	97	97	95	88	77	97	98	97	94	95	99	99	97	94	..	91.8
	Minimum	68	68	68	70	71	57	47	56	66	64	65	73	71	68	69	72	72	73	72	55	61	72	75	70	70	73	72	70	77	70	..	67.8
Poplar Bluff	Maximum	88	96	99	100	79	83	88	88	92	99	101	94	89	93	103	101	107	102	97	84	95	105	106	102	104	101	107	107	86	95	..	96.4
	Minimum	67	66	65	68	68	57	48	49	65	64	66	69	70	70	70	68	68	74	72	59	57	71	73	73	62	72	70	67	73	70	..	66.4
Rolla /	Maximum	91	88	87	88	75	70	74	76	78	86	91	89	85	90	93	93	95	93	82	76	90	96	95	91	97	99	98	98	84	90	..	87.9
	Minimum	69	70	67	70	65	52	48	54	62	62	65	69	68	66	67	70	67	73	66	55	58	72	74	71	63	80	69	68	72	66	..	65.9
St. Louis	Maximum	92	90	88	90	81	66	73	78	82	86	92	89	87	91	94	94	99	95	80	78	83	97	94	87	95	94	98	98	86	84	..	88.0
	Minimum	74	75	73	71	66	57	55	59	68	68	67	72	70	75	69	72	76	76	62	57	65	73	80	74	69	68	79	80	73	70	..	69.8
Salem /	Maximum	90	88	86	88	76	69	76	78	81	88	92	89	85	89	93	94	95	94	83	74	91	98	98	93	96	101	97	99	82	88	..	88.4
	Minimum	67	66	65	66	66	52	43	48	56	59	62	69	67	67	66	68	68	71	66	54	58	64	74	72	58	65	69	64	68	63	..	63.4
Sikeston /	Maximum	89	92	92	91	85	79	76	76	89	92	96	90	89	88	94	96	99	92	78	86	99	100	91	96	99	100	101	86	89	..	..	91.0
	Minimum	68	68	68	68	69	58	47	53	64	63	70	68	71	71	68	68	72	75	74	56	61	63	73	75	62	70	74	71	72	70	..	66.7
Union	Maximum	95	95	94	95	89	73	79	85	84	90	96	98	92	93	99	99	99	98	88	82	93	100	99	94	99	101	103	102	95	91	..	93.3
	Minimum	67	67	63	65	70	51	48	56	56	59	63	67	69	69	65	64	65	68	64	51	60	71	75	66	59	60	68	66	66	65	..	63.4
West Plains	Maximum	91	90	89	90	71	74	74	81	84	91	93	95	85	87	91	93	93	93	88	74	92	94	96	91	93	98	96	96	87	89	..	88.7
	Minimum	65	63	61	67	60	52	46	49	62	63	65	66	67	67	67	67	68	71	63	61	60	70	70	66	61	67	66	64	70	68	..	63.7
Cairo, Ill.	Maximum	88	92	89	90	86	77	73	82	87	92	91	91	89	87	92	96	99	99	92	76	80	100	99	89	91	94	97	99	90	87	..	89.8
	Minimum	72	71	74	74	69	59	55	59	70	71	71	75	73	70	71	75	76	79	69	59	65	76	74	73	68	74	77	76	75	72	..	70.7

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis. 8-9-44—1000.

(Continued from page 36)

follows:—On the 15th at Linneus, no damage reported. On 18th at King City, where slight damage occurred to roofs and trees; funnel-shaped clouds were observed, but never touched the ground. A twin-motored Navy plane crashed about two and one-half miles northeast of King City at about the time this storm was in progress, resulting in the death of two occupants, but it is not definitely known whether or not the crash was due to the storm. (Amount of damage not reported). On the 18th a severe windstorm struck Lawson and vicinity, at 4:20 p. m., C. W. T., continuing for one-half hour. Damage to roofs, small buildings, and trees, estimated at $2,500. On the 21st at Elsberry; details and amount of damage not available. On the 25th at Bowling Green, with damage to trees. On the 28th near Sturgeon, Boone County, with light damage to barns, implements, fences, and trees. (Amount of damage not reported).

DEATH FROM LIGHTNING

On the 20th a man was struck and killed by lightning near Joplin.

ERRATA

April 1944, page 20: Date of greatest 24-hour precipitation at Arcadia should be 22. Prevailing wind direction at Marshall should be NE.

May 1944, page 27: Total degree-days at Springfield should be 100. Page 28: Mean temperature and date of highest at Advance should be 69.2 and 29, respectively; greatest 24-hour precipitation and date at Anderson and Bolivar should be 1.62 on 19-20 and 0.72 on 1-2, respectively; greatest 24-hour precipitation at Eldon should be 1.93 on 23; date of greatest 24-hour precipitation at Jefferson City and Lexington should be 1 and 23-24, respectively; prevailing wind direction at Marshall should be SE.; greatest 24-hour precipitation and date at Ozark Beach should be 0.98 on 8-9. Page 29: Date of maximum temperature and greatest 24-hour precipitation and date at West Plains should be 14 and 0.99 on 2-3, respectively.

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Nat'l Hist

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CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII JULY 1944 No. 7

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GENERAL SUMMARY

The month was slightly cooler and drier than normal, for the State as a whole. However, a number of stations in each of the three divisions were warmer than normal, and quite a few stations had monthly precipitation totals in excess of their normal. Droughty conditions prevailing over much of the eastern half of the State at the close of June, spread to other sections and by the third week of July most of the State was badly in need of rain. On the 25-26th the drought was generally broken, when heavy to excessive amounts of precipitation occurred quite generally. However, some areas in the south-central and southeastern sections remained relatively dry and were in need of general soaking rains as the month closed.

It was the coolest July since 1928 and averaged 2.0° cooler than the same month one year ago. The extreme low of 40° recorded near Seymour, on the 21st, equalled the 57-year July record; the only other occurrences of a temperature as low being in 1924 and 1926. There were no unusually prolonged periods of excessive heat, temperatures of 100°, or higher, occurring on an average of only one day, for the State as a whole, as compared to an average of 17 days in the hot July of 1936, and 18 days in 1934. Rather humid conditions during some of the warmest days of the month made the heat seem all the more uncomfortable and oppressive. The average temperature for the Northern Division was 76.7°, —0.2°; the Southwestern Division, 77.8°, +0.2°; the Southeastern Division, 78.3°, +0.2°; for the State, 77.6°, —0.5°.

Precipitation was irregularly distributed, ranging from a monthly total of 6.75 inches at Lamar to 0.72 inch at Topaz. Generally, the frequency of the showers during the month was often enough, occurring on an average of seven days, but amounts were mostly too light and local to keep crops and vegetation in good growing condition prior to the 26th, when drought-breaking rains fell over much of the State. It was the third consecutive month with deficient precipitation, for the State as a whole, and the seventh consecutive July averaging drier than normal. Monthly averages and departures from normal for each division were as follows:—Northern, 2.44 inches, —1.22 inches; Southwestern, 2.97 inches, —0.64 inch; Southeastern, 2.46 inches, —0.97 inch; for the State, 2.62 inches, —0.95 inch.

There were no serious overflows in any of the major rivers of the State. However, flood stage, or higher, continued from June into the first half of July in portions of the Grand, Missouri, and Mississippi Rivers.

Windstorms and hail were quite prevalent in the southeastern quarter of the State on the 26th and 29th, but resultant damage was relatively light and there was no loss of life, or serious personal injury reported.

All growing crops deteriorated quite generally the first three weeks of July, due to the warm, dry weather. Pastures were burned brown and corn curled and fired badly. On the 25-26th a highly beneficial and general rain fell over most of the State, except in some south-central and southeastern counties, giving new life to all crops. However, much early corn was too severely damaged to fully recover and yields will be materially

(Continued on page 43)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity § 6:30 a. m.	12:30 p. m.	6:30 p. m.	Per cent of sunshine	Degree days
Columbia	30.24*	5	29.65*	26	6.1	17	sw.	29	77*	43*	43*	82	0
Kan. City Airp't.	30.21	5	29.60	25	8.4	35	sw.	24	80	49	48	70	0
St. Joseph	30.20*	5	29.58*	25	7.0	20	w.	25	82*	52*	51*	73	0
St. Louis	30.25*	5	29.66*	26	9.2	34	sw.	25	63	11	43*	78	0
Springfield	30.24	5	29.67	25	7.4	38	sc.	24	81	54	51	89	0
Cairo, Ill.	30.24	5	29.72	26	6.5	28	nw.	26	75	50	..	82	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR JULY

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	79.3	111	50	2.85	4.44	1.50	2.62	0	7	..	..	..
1889	77.1	107	46	4.02	4.22	3.80	4.03	0	8	..	..	..
1890	79.6	110	42	3.04	3.12	3.90	2.10	0	5	..	..	..
1891	72.7	103	45	3.23	4.13	4.16	1.41	0	8	..	..	..
1892	75.8	102	45	4.88	5.27	4.95	4.43	0	9	12	10	9
1893	77.3	103	51	4.67	4.72	6.19	3.10	0	8	14	12	5
1894	76.5	109	42	2.67	1.48	3.43	3.11	0	5	18	10	3
1895	74.4	106	45	6.77	6.36	6.91	7.03	0	10	10	12	9
1896	77.3	108	48	5.51	7.53	4.34	4.66	0	9	15	11	5
1897	78.7	106	48	3.14	4.11	2.70	2.62	0	6	19	9	3
1898	76.1	104	42	5.72	5.00	5.71	6.44	0	9	16	10	5
1899	76.0	102	43	4.50	4.88	4.32	4.30	0	9	15	11	5
1900	76.9	102	46	4.15	3.91	4.58	3.96	0	8	17	10	4
1901	85.4	116	46	2.02	2.23	1.93	1.90	0	5	19	10	2
1902	77.0	103	50	4.10	5.95	4.54	1.80	0	8	17	11	3
1903	77.4	102	51	3.40	2.79	3.56	3.85	0	8	17	10	4
1904	74.2	100	47	4.61	4.86	5.32	3.65	0	10	15	11	5
1905	73.4	101	48	8.07	4.86	9.90	9.46	0	12	12	10	9
1906	74.7	100	48	3.54	2.33	4.11	4.19	0	8	17	9	5
1907	78.4	105	51	4.56	6.62	3.78	3.28	0	8	19	8	4
1908	76.5	101	49	3.36	3.36	3.09	3.64	0	8	18	9	4
1909	76.7	102	41	6.16	7.01	6.33	5.14	0	10	17	8	6
1910	76.8	109	46	5.79	4.79	4.59	7.99	0	9	16	9	6
1911	78.0	113	43	3.68	3.41	4.78	2.86	0	8	16	9	6
1912	78.8	104	52	2.88	2.15	2.53	3.95	0	7	18	9	4
1913	80.2	108	47	3.10	2.52	2.86	3.93	0	7	18	9	4
1914	80.5	109	45	2.67	2.48	3.98	1.56	0	7	17	9	5
1915	74.6	102	42	5.74	9.05	4.39	3.78	0	12	14	9	8
1916	81.6	109	52	1.22	1.28	1.01	1.36	0	3	25	5	1
1917	77.5	107	42	3.08	1.71	3.36	4.18	0	8	20	8	3
1918	77.1	110	41	1.62	1.98	1.89	1.00	0	6	19	8	4
1919	80.0	105	50	2.30	3.00	2.21	1.69	0	5	23	6	2
1920	76.3	105	47	3.30	3.69	3.17	3.05	0	7	18	8	5
1921	80.3	109	46	2.32	2.29	2.39	2.28	0	5	20	8	3
1922	76.8	103	46	5.50	6.87	5.57	4.06	0	8	17	9	5
1923	78.2	105	50	3.16	2.61	4.29	2.59	0	6	18	8	5
1924	73.3	103	40	5.55	4.42	6.65	5.57	0	10	15	11	5
1925	77.9	106	46	2.70	2.56	2.76	2.79	0	7	16	10	5
1926	78.0	108	40	3.07	3.66	2.54	3.02	0	7	17	9	5
1927	75.8	101	48	4.16	2.82	5.38	4.28	0	8	18	9	4
1928	77.2	102	48	2.93	3.47	3.15	2.16	0	7	17	10	4
1929	77.8	104	50	4.03	5.50	2.58	4.01	0	8	16	10	5
1930	81.2	113	42	1.00	0.50	1.48	1.01	0	3	22	7	2
1931	80.3	110	49	3.31	2.83	3.45	3.65	0	7	18	9	4
1932	79.8	109	48	3.61	3.89	4.08	2.85	0	7	19	8	4
1933	79.3	108	49	2.67	1.73	2.44	3.84	0	5	18	9	4
1934	86.2	117	48	1.18	0.82	1.22	1.50	0	4	20	9	2
1935	80.8	104	53	3.30	3.90	2.06	3.94	0	6	20	9	2
1936	85.3	118	44	1.52	0.72	1.48	2.37	0	3	23	6	2
1937	77.9	105	45	4.06	4.80	3.34	4.05	0	8	17	11	3
1938	79.7	110	53	3.50	2.91	2.58	5.00	0	7	19	8	4
1939	80.0	107	51	2 91	3.13	2.24	3.37	0	6	19	9	3
1940	77.7	111	45	1.58	1.47	1.55	1.73	0	4	19	9	3
1941	79.3	110	46	2.75	2.50	3.02	2.74	0	7	16	11	4
1942	78.8	104	50	2.85	3.68	2.72	2.15	0	7	17	11	3
1943	79.6	104	46	2.49	3.68	1.77	2 02	0	6	18	10	3
1944	77.6	105	40	2.62	2.44	2.97	2.46	0	7	17	10	4
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
.....	....	..	..	....	....	....	....	....	..	..	..	..
Period	78.1	118	40	3.57	3.66	3.61	3.43	0	7	18	9	4

NAT. HIST.

Climatological Data for July 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	75.2°	.....	95[b]	2†	46°	21	15	1.81	−2.82	0.70	25	0	9	15[h]	6[h]	2[h]	s. [g]	Curtis E. Grace
Bethany	Harrison	916	49	74.6	− 1.7	93	23	49	21	51	1.36	−2.80	0.65	25	0	6	16	12	3	s.	A. S. Cumming
Brookfield	Linn	767	3	78.8	.....	96	15	53	21	3	3.10	.....	1.80	25-26	0	4	23	2	6	s.	G. F. Breen
Brunswick	Chariton	652	63	77.3	+ 1.2	96	2†	53	21†	65	2.28	−1.83	0.99	25	0	6	19	7	5	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	75.6	.....	93	23	49	21	14	1.21	−1.12	0.64	25	0	7	13	15	3	se.	Lockmaster
Chillicothe	Livingston	779	35	75.7	− 1.3	95	14†	52	22	38	2.68	−0.74	2.02	25	0	4	24	1	6	ne.	Wm. J. Olenhouse
Chilton Hill	Randolph	731	45	78.4	+ 2.0	96	9†	52	21	35	1.97	−1.39	1.05	25	0	5	18	12	1	nw.	Dr. A J. Bradsher
Columbia	Boone	740	54	79.0	+ 1.7	97	24	50	21	54	2.38	−1.11	2.00	25	0	5	16	14	1	s.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	76.6	0.0	95	2	53	21	60	1.54	−3.13	0.63	25	0	8	17	12	2	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	77.0	+ 0.9	94	31	47	20†	41	3.22	−0.28	1.50	25	0	4	12	16	3	sw.	LeRoy Mindrup
Elsberry	Lincoln	449	13	76.9	− 2.5	98	15	46	21	13	2.09	+0.10	0.75	29	0	8	19	12	0	s.	John Dowell
Fayette	Howard	760	64	76.7	− 0.5	96	24	48	21	61	1.99	−1.26	1.21	25	0	5	22	8	1	se.	Irvin E. Schnell
Fulton	Callaway	818	56	77.6	− 0.1	96	8†	49	21	52	5.20	+1.91	4.19	25-26	0	4	23	5	3	sw.	Frank E. Hillgartner
Grant City	Worth	1,134	40	74.9	− 1.3	93	2†	48	21	52	1.94	−2.69	0.67	11	0	8	10	17	4	ne.	Howard Rybolt
Hannibal	Marion	759	52	76.0	− 0.8	95	7†	52	21	60	0.90	−2.19	0.53	25	0	6	13	13	5	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	78.8	+ 0.7	96	29	57	22	55	3.54	−0.28	1.67	25	0	8	11	14	6	ne.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	79.2	.....	94	2†	57	22	6	3.59[§]	.....	1.67	25	0	7	22	4	5	s.	University of Kansas City
Kidder	Caldwell	1,020	52	75.1	− 1.5	92	29	53	21	56	4.27	+0.39	2.09	25	0	8	20	4	7	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	77.4	+ 1.4	96	23	51	21	62	1.50	−2.80	0.84	25	0	8	13	11	7	sw.	P. O. Selby
Lawson	Ray	1,070	6	75.6	.....	94	2†	50	21	6	4.39	.....	2.41	25	0	9	15	14	2	s.	Frank G. Gstrein
Louisiana	Pike	469	50	74.6	− 1.8	96	7	44	21†	63	1.11	−2.49	0.57	25	0	5	..	..	..	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	76.7	− 0.5	98	10	52	21	51	1.48	−1.93	1.15	25	0	4	11	13	7	sw.	John W. Atwell
Maryville	Nodaway	1,169	54	73.6	− 2.1	93	23	51	21	50	2.54	−2.69	0.91	25	0	10	21	6	4	se.	R. B. Montomery
Memphis	Scotland	787	5	75.4	.....	97	9	49	21†	14	2.44	−0.36	0.68	18-19	0	7	19	9	3	sw.	John W. Alexander
Mexico	Audrain	800	55	79.4	+ 2.1	100	6†	48	21	66	3.40	+0.19	1.30	25	0	8	20	9	2	nw.	Henry D. Llewellyn
Moberly	Randolph	860	7	76.6	.....	94	9†	50	21	7	1.90	.....	0.78	25	0	6	18	10	3	s	James G. Carney
New Florence, 1 mi SE	Montgomery	885	1	76.6	.....	96	24	48	21	2	3.25	.....	2.25	25	0	5	11	9	11	se.	U. S. Weather Bureau
Oregon	Holt	1,048	88	76.5	+ 0.9	96	2	54	21	88	4.74	+0.56	1.95	15	0	9	20	10	1	sw.	Miss Mina Wright
St. Charles	St. Charles	520	56	78.4	+ 0.3	99	10	52	21	66	4.46	+1.47	2.05	25-26	0	6	16	14	1	s.	Martin L. Comann
St. Joseph	Buchanan	957	34	77.3	− 0.1	95	2	53	21	72	2.38	−1.40	1.07	25	0	10	19	9	3	se.	U. S Weather Bureau
Saverton, Lock No. 22	Ralls	472	6	76.4	.....	94	10	54	21	6	1.30	.....	0.66	25	0	8	27	4	0	w.	Lockmaster
Shelbina	Shelby	779	3	77.4	.....	99	10	47	21	51	1.14	−2.73	0.50	17	0	5	25	5	1	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	77.7	− 0.1	101	10	48	21	51	1.42	−2.69	0.63	25	0	7	19	9	3	s.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	74.4	− 2.4	93	1†	48	21	50	1.96	−2.19	0.55	11	0	12	14	15	2	se.	C. A. A. Station
Trenton	Grundy	822	48	76.7	− 0.1	94	2†	51	21	49	3.04	−1.03	1.31	25	0	9	15	14	2	s.	W. H. Estes
Unionville	Putnam	1,062	51	75.4	− 1.1	100	23	48	21†	51	1.49	−2.63	0.47	16	0	7	17	13	1	sw.	C. D. Wilson
Warrenton	Warren	816	62	78.1	+ 0.3	100	24	53	21	54	3.68	+0.54	1.51	29	0	7	18	9	4	se.	W. J. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	76.8	− 0.1	95	10	54	21	72	2.99	−0.42	1.20	11	0	8	11	15	5	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**76.7**	**− 0.2**	**101**	**10**	**44**	**21†**	..	**2.44**	**−1.22**	**4.19**	**25-26**	**0**	**7**	**17**	**10**	**4**	**s.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	76.0	− 1.3	99	16	47	21	45	2.26	−2.15	2.16	26	0	3	25	4	2	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	78.4	+ 0.2	97	16†	54	21†	52	1.21	−3.10	0.55	24-25	0	8	21	6	4	sw.	Rolla Brown
Bolivar	Polk	1,071	41	79.8	+ 2.5	100	9	51	21	49	1.49	−2.23	0.53	24-25	0	8	13	14	4	sw.	Southwest Baptist College
Boonville	Cooper	650	6	76.5	.....	94	24	52	21	67	3.06	−0.18	2.37	25-26	0	5	15	11	5	se.	Boonville Water Dept.
Carthage	Jasper	962	10	77.6	.....	96	9†	47	21	20	3.16	.....	1.23	10-11	0	7	7	22	2	sw.	Carthage W. and E. Plant
Clinton	Henry	786	51	78.6	+ 0.3	99	24	50	21	57	2.65	−0.78	0.78	17	0	7	18	10	3	e.	U. S. Weather Bureau
Eldon	Miller	934	49	76.8[b]	− 0.4	99[b]	8	49[b]	21†	45	5.79	+2.57	2.40	29	0	10	12[b]	13[b]	4[b]	n. [b]	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	77.2	.....	96	29	44	21	3	2.64	.....	1.39	29-30	0	5	21	8	2	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	76.8	− 0.9	95	24†	55	21	69	2.40	−1.21	0.84	25	0	8	7	14	10	e.	John H. Patterson
Jefferson City	Cole	557	54	78.6	+ 0.5	100	24	51	21	62	3.43	+0.32	1.70	25	0	5	17	8	6	se.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	80.6	+ 2.5	96	16†	59	21	39	1.02	−3.60	0.42	25	0	6	22	4	5	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	75.8	− 4.7	99	8	45	21	13	3.48	+1.33	1.55	29	0	9	15	13	3	sw.	W. S. Frame
Lamar	Barton	980	56	77.0	− 1.4	94	8†	50	21†	63	6.75	+2.53	3.65	25	0	6	22	7	2	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	76.4	− 0.5	98	8	45	21	57	4.34	+0.38	1.98	29-30	0	8	13	12	6	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	78.6	+ 1.2	97	31	56	21	60	2.74	−1.27	2.10	25	0	9	19	11	1	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	79.8	+ 2.2	99	17	52	21	48	5.46	+0.70	3.13	25-26	0	9	23	8	0	sw.	Hubert A. Nieman
Marshall	Saline	779	57	78.1[f]	+ 0.6	96[f]	8	52	21	54	2.09	−1.48	1.52	25-26	0	6	13[f]	10[f]	2[f]	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	78.2	+ 1.8	101	16	48	21	47	2.82	−1.07	1.48	25-26	0	9	16	15	0	sw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	77.7	0.0	100	16	49	21	44	1.96	−3.23	1.14	23-24	0	6	16	12	3	se.	James C. Williamson
Neosho	Newton	1,011	57	78.1	+ 0.6	98	16	47	21	61	3.15	−1.50	2.20	25-26	0	6	11	18	2	s.	U. S. Fisheries Station
Nevada	Vernon	862	51	78.7	− 0.9	97	1†	52	21†	52	5.32	+1.66	2.19	2-3	0	9	23	6	2	sw.	Henry Kraft
Ozark Beach	Taney	700	4	79.2	.....	102	16	50	22	19	0.85	−2.54	0.59	25-26	0	5	7	23	1	s.	A. J. Sharp
Sedalia	Pettis	910	31	77.8	+ 0.3	99	8	49	21	33	3.83	−0.61	2.45	25	0	8	19	9	3	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	77.0	+ 0.3	92	10†	55	21	41	4.68	+0.56	4.08	26	0	4	25	6	0	s.	Floyd E. Fawver
Seymour, 3½ miles NE	Webster	1,642	38	76.1	+ 0.6	97	16	40	21	38	1.48	−2.46	0.89	25	0	6	24	2	5	s.	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	56	77.0	+ 0.8	96	16	52	21	56	5.92	+1.71	2.08	25	0	7	11	16	4	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	76.4	.....	98	24	44	21	3	2.91	.....	1.92	25	0	9	19	11	1	s.	H. F. Nelson
Warrensburg	Johnson	878	57	78.5	− 0.3	95	29	56	21	64	6.12	+2.15	2.84	25-26	0	9	21[a]	6[a]	3[a]	s.	Central Teachers College
Warsaw	Benton	687	43	79.2	+ 0.9	100	8	49	21	49	4.34	+0.33	2.05	25	0	8	16	12	3	se.	Dora B. Johnson
Wasola	Ozark	1,294	3	77.4	.....	98	15†	52	21	4	2.43	.....	1.40	26	0	6	15	12	4	se.	A. W. Pinckney
Division means	**and extremes**	.....	..	**77.8**	**+ 0.2**	**102**	**16**	**40**	**21**	..	**2.97**	**−0.64**	**4.08**	**26**	**0**	**7**	**17**	**11**	**3**	**sw.**	
Southeastern Division																					
Advance, ¼ mile W	Stoddard	354	7	77.4	.....	103	11	49	22	7	2.22	.....	0.86	25-26	0	10	11	11	9	sw.	U. S. Weather Bureau
Arcadia	Iron	926	63	76.0	+ 0.2	99	8†	47	21†	66	4.07	−0.05	1.44	8	0	8	20	2	9	e.	Arcadia College
Birch Tree, ½ mile E	Shannon	1,000	49	77.2[d]	+ 0.6	100[f]	9†	47[b]	22	50	2.27	−1.31	1.28	26	0	4	22[a]	8[a]	0[a]	sw.	R. C. Moger
Black, 9 miles NW	Iron	1,000	51	74.6	− 1.0	100	15	43	21	51	4.38	+0.69	1.42	16-17	0	9	20	11	0	e.	Claude Volner
Campbell	Dunklin	314	18	83.9[a]	+ 3.5	101[a]	9	61[a]	5	18	2.13	−1.35	1.10	30	0	5	21[a]	9[a]	0[a]	ne.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	78.7	− 2.6	99	11	58	21†	52	2.00	−1.29	1.15	30	0	5	25	0	6	sw.	Victor T. Malloure
Crystal City	Jefferson	420	10	77.8	− 1.8	99	11†	46	21	10	3.53	+0.32	1.45	24-25	0	6	20	8	3	n.	Richard K. Ragland
Doniphan	Ripley	344	40	78.6	0.0	102	8	47	22	40	1.39	−2.65	0.47	30	0	5	28	2	1	sw.	Boyce Lackey
Farmington	St. Francois	896	33	77.5	+ 1.2	99	8†	49	22	47	1.53	−2.03	0.46	17	0	8	12	8	11	n.	F. M. Karsch
Greenville	Wayne	381	35	77.6	+ 0.2	102	10	46	21	37	2.66	−1.10	0.77	10-11	0	9	19	11	1	nw.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	78.6	+ 1.0	98	8†	51	4	54	1.77	−1.77	0.39	10	0	8	14	8	9	nw.	John G. Putz
Koshkonong	Oregon	958	43	79.0[b]	+ 0.2	101°	9†	51	21	44	3.81	+0.04	2.00	26-27	0	8	20	9	2	w.	R. E. Bratcher
Licking, 4 miles N	Texas	1,170	7	76.7	.....	99	8	41	21	7	2.19	.....	0.67	30	0	6	22	7	2	s	U. S. Forestry Service

Continued on next page

Climatological Data for July 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours *	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	
Southeastern Division — Concluded																				
Malden....4 miles NNW	Dunklin	292	1	80.7	.....	104	9	55	21	1	2.92	.....	1.81	29-30	0	8	10	11	10	ne.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	76.4	− 1.4	100	16	46	22	51	2.41	−1.61	0.70	29	0	6	24	6	1	ne.	R. A. DeWitt
Poplar Bluff	Butler	339	39	80.0	+ 0.8	105	9	51	22	40	2.09	−1.85	0.96	29	0	6	24	4	3	s.	Joe Rochm
Rolla	Phelps	1,202	44	78.7	+ 1.0	99	8	55	21	60	2.54	−0.85	1.45	25-26	0	5	7	23	1	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	79.8	+ 1.0	96	24	62	21	107	3.45	+0.47	1.60	25-26	0	7	16	11	4	sw.	**Section Center**
St. Louis Airport	St. Louis	556	7	78.4	+ 0.6	97	24	54	21	13	2.97	+0.31	1.12	25-26	0	6	6	16	9	w.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	79.7	− 0.8	95	15†	62	21	32	2.91	−0.27	1.24	25-26	0	7	22	7	2	se.	St. Louis University
Salem	Dent	1,173	40	76.6	− 0.2	99	15	44	21	43	2.24	−1.26	0.68	17	0	7	20	11	0	s.	E. E. Martin
Sikeston	Scott	318	37	79.6	+ 1.0	103	10	53	21	47	1.17	−2.55	0.42	26-27	0	8	17	12	2	ne.	William B. Seabaugh
Union	Franklin	520	6	77.2	.....	102	24	45	21	27	3.73	−0.21	1.60	25-26	0	6	20	10	1	s.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	8	79.1	.....	97	8	55	21	9	2.39	.....	1.78	25-26	0	8	9	15	7	sw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	79.8	.....	102	15	58	21†	5	1.16	.....	0.70	30	0	4	10	21	0	nw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	78.1	.....	99	29	51	21	4	1.80	.....	0.52	12	0	6	17	14	0	n.	William J. Miller
West Plains	Howell	1,005	7	77.2	.....	101	10	47	21†	7	2.70	.....	2.30	26	0	8	12[a]	13[a]	5[a]	w.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	75.5	.....	99	26	47	22	37	2.85	−0.95	1.69	30	0	5	17	12	2	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	80.2	− 0.4	98	10	60	21	73	1.11	−1.96	0.45	26	0	7	11	10	10	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**78.3**	**+ 0.2**	**105**	**9**	**41**	**21**	..	**2.46**	**−0.97**	**2.30**	**26**	**0**	**7**	**17**	**10**	**4**	**sw.**	
State means	**and extremes**	.....	..	**77.6**	**− 0.5**	**105**	**9**	**40**	**21**	..	**2.62**	**−0.95**	**4.19**	**25-26**	**0**	**7**	**17**	**10**	**4**	**sw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. * Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for July 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia..... (Univ. of Mo. Hort. Exp. Sta. 9 mi. w.)	Evaporation	.318	.221	.322	.349	.378	.400	.390	.364	.260	.226	.220	.140	.361	.279	.387	.361	.372	.252	.232	.408	.368	.321	.381	.479	.418	.129	.334	.366	.393	.210	.227	9.866
	Mean temperature	78	78	79	76	76	76	78	83	80	80	78	76	72	78	78	80	80	78	76	74	67	72	76	82	72	81	78	76	78	76	76	77.3
	Wind movement ..	45	64	45	45	65	73	92	127	45	33	38	100	97	42	68	82	66	109	15	100	96	47	106	51	125	99	80	86	87	100	38	2,266
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	76	76	79	74	72	74	76	81	81	79	77	78	72	75	78	78	80	77	74	71	65	70	74	82	76	80	76	76	76	72	77	75.8
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.275	.266	.307	.264	.257	.271	.328	.272	.147	.188	.211	.198	.278	.233	.207	.263	.293	.111	.221	.261	.256	.195	.270	.278	.252	.228	.246	.279	.283	.175	.187	7.500
	Mean temperature	75	76	76	78	78	78	82	82	80	85	83	77	74	76	82	80	80	79	79	74	68	72	78	86	82	80	81	79	79	78	80	78.6
	Wind movement ..	30	17	25	24	20	16	36	20	16	21	14	20	41	23	14	23	28	11	23	27	39	16	21	23	18	33	24	21	31	36	9	720

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

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reduced. Harvest of small grains was completed early in the month and threshing from shock was underway, thereafter. Wheat yields were generally above average and of good quality, but oats were very poor. Haymaking continued throughout July, but lespedeza was cut short and seriously damaged, by the dry weather, the first three weeks. Soybeans suffered some, but this crop was expected to recover to a large extent, following the rains on the 25-26th. Cotton in southeastern counties withstood the dry weather better than other crops and was mostly in good to excellent condition at the end of the month. Fruit prospects improved, especially peaches, and these and melons were being marketed the latter half of the month, from southern areas.—M. R. W.

TEMPERATURE

The monthly mean for the State, 97 stations reporting, was 77.6°, or 0.5° cooler than the 57-year July average. The highest monthly mean was 83.9° at Campbell, and the lowest was 73.6° at Maryville. The highest temperature reported was 105°, at Poplar Bluff on the 9th, and the lowest was 40°, near Seymour, on the 21st.

PRECIPITATION

The average for the State, 199 stations reporting, was 2.62 inches, or 0.95 inch less than the 57-year July average. The greatest monthly amount was 6.75 inches at Lamar, and the least was 0.72 inch at Topaz. The greatest amount reported in 24 hours, was 4.19 inches, at Fulton, on the 25-26th. The average number of days with 0.01 inch, or more, was 7.

MISCELLANEOUS PHENOMENA

Floods.—In lower reach of Grand River, continued from June to July 14th. In Missouri River, at St Joseph, continued from June to July 7th; at Waverly, continued from June to July 9th. In Mississippi River, in the reach from Keokuk, Iowa, to Grafton, Ill., continued from June to July 14th.

Fogs.—Heavy, 9th, 26th, 31st.

Hail.—Light, on 18th at St. Joseph; on 26th at Clinton, Lebanon, Roby, Koshkonong, West Plains; on 28th at Fulton; on 29th at LaBelle, Lebanon, Perryville; on 30th at Springfield, Campbell, Malden. Moderate, on 26th, 29th. (See special hailstorm notes). Heavy, 29th. (See special hailstorm notes).

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Daily Precipitation for July 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand							.14	.05		.02	*	.26					.50								.70		.02		.12			1.81
Amity[2]	....do			.05				.18	.01				.33			.09	T.	.43		.67					T.	1.35			T.	T.			3.11
Bethany	....do							.20	.09			.03						.39							*	.65							1.36
Bowling Green[2]	Mississippi								.47				.46							.41						.79				.18			2.31
Brookfield[2]	Grand								.92				.15					.23								1.80							3.10
Brunswick[2]	....do			.69					T.			T.	.07						.47						.03	.99				.03			2.28
Canton, Lock No. 20[2]	Mississippi			.11						.09			.25					.07		.03	T.				.02	.64							1.21
Centralia[2]	....do								.18				.24						.39							1.35							2.16
Chillicothe[2]	(A) Grand			T.				T.	T				.26					.34	T.							2.02			T.	.06			2.68
Chillicothe[2]	(B) ....do			T.				T.	.19				.40					.40	.02						T.	1.60							2.61
Clifton Hill	Chariton								.29			.22						.40							1.05				.01			1.97
Columbia [1, 5]	Missouri								T.			.24	T.					.01		.01					2.00				.12			2.38
Columbia [2] (9 mi. w.)	.... do												.21						T.							1.82				T.			2.03
Conception	....do							.18	.09			.12	T.			.09	T.	.39							.35	.28	T.		.04			1.54
Edgerton	....do							T.	T.			1.25					T.	.32							.15	1.50							3.22
Edina[2]	Mississippi			.12					.07				.29					.10		.47				.17		1.32				T.			2.54
Elsberry	....do								.10			.28	.11					.50		.05					.30				*	.75			2.09
Elsberry S. C. S.[2]	....do								.07	.03			.19					.11	.32	.03						.45				.88			2.08
Farber[2]	....do																									.80							
Fayette	Missouri		T.	T.					.07			.26	.44					T.							1.21				.01			1.99
Fulton[2]	....do												.41					.09								4.19				.51			5.20
Gallatin[2]	Grand							.08	.10																								
Grant City	....do							.20	.24		T.	*	.67				T.	.15						T.	*	.60				.08			1.94
Hannibal[1]	(A) Mississippi											.02						.01		.05				.03	.53				.26			0.90
Hannibal[2]	(B) ....do								.10				T.							.05					T.	.88				.23			1.26
Hermann[2]	Missouri									.17			.37						.05							.96				.15			1.70
Kahoka[2]	Mississippi			.28									.92						.02	.30					.12	.60							2.24
Kansas City Airport[1, 5]	Missouri							.10	.13	T.	.96	.31				.04	T.	.32			T.			T.	T.	1.67			T.	T.		.01	3.54
Kansas City University	....do							*.10*	*.13*		.96	.36				*.05*	*T.*	.32						T.		1.67							§3.59
Kidder[2]	Grand			.14				.05	.04				.87					1.02	.02							2.09			T.	.04			4.27
King City	Missouri							.10	.06		T.	T.					.04	.16							T.	2.09	.09			.01			2.55
Kirksville	Mississippi			.06				T	.14			T.	.25					.10	T	.03				T	.08	.80	.04			T.			1.50
Knoxville[3]	Missouri		T.					.04	.02		.24	.22						.37						T.		2.48				T.			3.37
LaBelle[2]	Mississippi			T.									.03							.81						.10	1.03				T.		1.97
Lawson	Missouri			.12				.11	T.		.32	.92					T.	.42						T.	.06	2.29	.12			.03			4.39
Linneus[2]	Grand								1.30				.50					.50									1.30						3.60
Louisiana[2]	(A) Mississippi												.17						.13	.04						.57				.20			1.11
Louisiana[2]	(B) ....do								T.	.03			.36						.12	.06					T.	.61	.10			.14			1.42
Lucerne[2]	Grand								.19	.02		.03	.18					.28						.04	.32	.66							1.72
Macon[2]	Chariton			T.					.02				.28					.03								1.15							1.48
Madison[2]	Mississippi								.04				.04							.60	.03					1.00							1.71
Martinsburg[2]	Missouri								T				.68						.49							.79				.03			1.99
Maryville	....do							.31	.14			.40				.15	.04	.40		.05					.91		.11		.03			2.54
Memphis[2]	Mississippi			.10					T.	.09			.38					.12		.68					.49		.58						2.44
Mexico[2]	....do												.87	.02					.68	.04						1.30	.03		.04		.42	3.40
Milan[2]	Grand								.08			.42						.06							.05	1.00				.02			1.63
Moberly[2]	Mississippi								.34				.16					*	.55	.07						.78							1.90
Monroe City	....do		.12		T.				.22			.16						.21		.22						.57	.04			.07			1.61
New Florence[3, 5] 1 mi. SE	Missouri		T.						.31			.09						.17							2.25				.43			3.25
Oregon	....do							.18	.18		1.20	.24				1.95		.30	T.	.10				.04	.55							4.74
Palmyra	Mississippi			.02					.67			*	.19							.14				.12	*	.64				.32			2.10
Paris[2]	....do								.02				.06					.01	.29	.01						.88					T.		1.27
Perry	....do								.18		.28		.05		.12			.80		.03						.70	.50			.05			2.71
Philadelphia[2]	....do																																
St. Charles[2]	Missouri								.32	.52			1.05						.40							2.05				.12			4.46
St. Charles[2]	(B) ....do								.24	.49			1.12					T.	.47							1.85				.08			4.25
St. Joseph[1, 5]	....do							.17	.01		.01	.40					.11	.01	.33	.16				.11		1.07						T.	2.38
Saverton, Lock No. 22[2]	Mississippi			T.					.09				.02					T.	.04	.06					.01	.66	.06			.36			1.30
Shelbina	....do								.12			T.						.50		.04				T.		.46	.02						1.14
Shelbyville[2]	....do								.11				.17								.22	.13					.60				.26			1.49
Steffenville	....do		.05						T.			T.	.03					.01		.55					T.	*	.63			.15			1.42
Tarkio[3]	Missouri						.03	.04	.07			.55				.03	.16	.02	.31	T.				.05		.35		.19		.16			1.96
Trenton[2]	Grand			.05				T.	1.01	.02			.33			.04		.22			.02			T.		1.31		.04					3.04
Troy[2]	Mississippi									.70			.85						.60							.70					2.32		5.17
Unionville[2]	Chariton								.10	.06		T.	.18					.47						.02	.21	.45							1.49
Warrenton	Mississippi								.54			.15	.05					.05								.31	1.04			1.51			3.68
Keokuk, Iowa[1]	....do		.02					T.	T.			1.20						T.	T.	.09	T.			.87		.59	.02	.01		.19			2.99
Southwestern Division																																	
Altona[2]	Osage							*	.24			*	.78					T.			T.					*	.60							1.62
Anderson[2] ...1½ mi. SW	Neosho											.04										T.				2.16		.06					2.26
Appleton City	Osage		.05					.09	.08	.08		.30									.06				*	.55							1.21
Ava Rauger Station[2]	White																									.50				.65			1.15
Bakersfield[2]	....do																																
Bolivar	Osage		.01	T.				T.				.34							.05		T.				.29	.24	.41		.05		.10		1.49
Boonville[2]	(A) Missouri											.43						.03									2.37		.05		.18		3.06
Boonville[2]	(B) ....do								T.			.41						T.	.02							2.50		.05		.04			3.02
Buffalo[2]	Osage											1.16						.31								.50	.44				.11			2.52
Butler[2]	....do							.16	.01	.10		.12	.33								.06					.18	.60							1.59
Caplinger Mills[2]	....do			1.72						.08		.36	.42									T.				.25	.37		T.					3.20
Carthage	Neosho											1.18	.05												1.00	.32	.38	.01			.22			3.16
Clinton[3]	Osage		T.					.10	.01		T.	.50						.78			.03					.62	.61							2.65
Concordia	Missouri								.01		T	.08	.05					.06			T.					1.25	.22		.03	T.				1.70
Crocker	Osage										.23	.10	.09					1.17								.44	.50	.12			1.84			4.39
Eldon[2]	Missouri								.17		.21	.38	.15					.28	.13						.04	.78			1.25		2.40			5.79
Eldorado Springs	Osage		.25	.05				.06		.12		1.17	.08												.16	.52	.29				T.			2.70
Elijah	White									.09		.06						.05	.19		.03						.73	.16	.24					1.85
Fort Leonard Wood[2]	Gasconade																	.15	.25								.23	.62			1.39			2.64
Galena[2]	White											.08	.64									.04				.54	.63		.17					2.10
Granby[2]	....do																										3.35		.09		.08			3.52
Hailey	....do																				.10				.31	T	1.54	.21						2.19
Harrisonville[2]	Osage							.23	.10	.03		.62	.33													.72	.12		.25					2.40
Jefferson City[2]	Missouri			.01									.43														1.70		.09		1.20			3.43
Joplin[1]	Neosho										.10	.12													.22	.42	.04				.12			1.02
Lakeside[2, 5]	Osage				.01				T	T.	.10	.39						.10	.05		.01					T.	1.26	T.	.01		1.55			3.48
Lamar[2]	Neosho									.25		.80	.15													.15	3.65				T.	1.75		6.75
Lebanon[2]	Osage											.01	.22					.09	.06							.02	.32	1.64			1.98			4.34
Lexington[2]	Missouri							.03				.16	.27					.04	.06							.02	2.10		.04		.02			2.74
Lockwood	Osage							.06		.02		.05	.51								T.				1.40	.40	2.73		.06		.23			5.46
Macomb[2]	White										.48		.12					.30								.05	1.32		.08				.07	2.42
Marshall	Missouri											.19	.04							.09						1.29	.23		.25					2.09
Marshfield[2]	White										.41		.42													.39	.87					.37		2.46
Mountain Grove	....do									T.	.04		T.					.07			T.					.04	.19	1.08	.40	.06		.90	.04		2.82
Mount Vernon[2]	Neosho																				.02					.41	.70	.62		.08		.10			1.96
Neosho	....do											.04									T.					.55	.20	2.00	.30			.06			3.15
Nevada	Osage			2.19				.08		.23		1.60									T.					.45	.25	.32		.07		.13			5.32

Continued on next page

Daily Precipitation for July 1944 Continued from preceding page

Stations	Drainage basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Osceola[2]	Osage			.04						.15			.62								.02					*	1.15						1.98
Ozark Beach[2]	White												.02					.02								.04	.59		.18				0.85
Pierce City[2]	Neosho										.07	.04										T			.53		1.17			.04			1.85
Pleasant Hill[2]	Osage							.16	.06	.08		.10	.40					.30	.12			T			T.		1.22		.05				2.49
Roby	Gasconade									T.	.87		T					.25								.09	1.04	.30	.02		1.03		3.60
St. Thomas[2], 2¼ mi SW	Osage									.10			.52					.78								.12	2.05				.88		5.65
Sedalia	Missouri		*	.05				T.			.03	.85	.32					.13								*	2.45						3.83
Seligman	Neosho																				.10				.34		1.08	.16	T.				4.68
Seymour....3½ mi. NE	White												.22												.15	.28	.61		.15		.07		1.48
Shell Knob[2]...3 mi. SE	....do																																
Siloam Sprgs Lookout[2]	....do																										1.80	.70	.20				2.70
Springfield[1, 5]...½ mi. E	....do							T.		T.	T.	1.22					T.		.21		.01				1.50	2.08	T.		.26		.61		5.92
Stover[2]	Missouri											.70	.30													.10	2.08	.08			.88		3.86
Sweet Springs	....do		.38	.14				T.	.02	T.	T.	.32	.05					.06			T.					1.58	.34		.02	T.			2.91
Tecumseh[2]...¼ mi. W	White																																
Topaz[2]	....do																	.17										.42	.13				0.72
Vanzant[2]....3¾ mi. SE	....do												.09					.39				.04					.11	.43	.07			.03	1.16
Warrensburg	Missouri			2.00				.04			.04	.19	.34					.65			T.					2.07	.17		.02				6.12
Warsaw[2]....(A)	Osage								T.	.05	T.	.35	.51						.07	T.	.01					.27	2.05	1.03					4.24
Warsaw[2]....(B)	....do								T.	T.		.21	.26					.07			T.	T.			.03	3.13						3.80
Wasola	White									.25									.03		.04				.33		1.40		.38				2.43
Waverly[2]	Missouri																	T.	.25							.70	2.38		.05				3.58
Wilderness Lookout[2]	White								.05													T.					1.53		.98				2.56
Southeastern Division																																	
Advance[3]....¼ mile W	St. Francis								.10	T.		.13	.13					.37		.26	.01					.20	.66			.28	.08		2.22
Alton..... 10 miles SE	Black									.07																.42	.82	.30	.07		.52		2.20
Annapolis(1)	St. Francis																	1.10										1.06					2.16
Annapolis[3](2)..7 mi. W	....do									.48			.01					.71	T.		.04					.54	.78	.09		.62			3.27
Arcadia[2]	....do									1.44				.32				.60	.55							.15	.60		.05	.26			4.07
Banner[2]	Black									.95		.20	.70					.82	.53							.33	.55	.09		.75			4.92
Belleview	Meramec								*	1.50			.25					.80								*	.20	.25			.80		3.80
Bernie[2]	St. Francis											.40	.10														.44				1.39	T.	2.33
Birch Tree....½ mile E	Black									T.	T.	T.						T.			T.					.53	.16	1.12			.46		2.27
Black..... 9 miles NW	....do								.81		.02		.12					1.42								.60	.70	.05	.05		.61		4.38
Bunker[2]... 4 miles NW	....do	.04								1.53		.03						.13									.23	.50			.25		2.71
Campbell	St. Francis												T.								.07					.38	.15	.43			1.10		2.13
Cape Girardeau[2]	Mississippi									.02			.02	.01				.06	.21		.36						.57	.32			.21		1.78
Caruthersville[2]	....do																					.20					T.	.40	.25		1.10	.05	2.00
Centerville[2]	Black									1.28			.13					.90	.08								.68	.34	.08		.23		3.72
Cook Station[2]	Meramec									.12		1.25	.20					*	.75						T.	T.		.53					2.85
Crane Mountain[2]	St. Francis									.06			.42					.64	.48								.36	.20	.02		.66		2.24
Crystal City	Mississippi								*	.50			.45													1.45	T.		.82		.31		3.53
Cuba	Meramec									.03	.45	.04						.86			.03				.30	*	.46		.13		.04		2.34
Deering[2]	St. Francis																											.65	.10		.70		1.45
De Soto[2]	Mississippi									.48			.11					.01	.12								.59		.05	T.	.12		1.48
Dexter[2]	St. Francis									T.			.05									.04					.56	.45			.38		1.48
Doniphan	Black									.20			.22								T.						.15	.35			.47	T.	1.39
East End[2]	Meramec	.25								.75			.54					1.00	.34								.82	.74			.47		4.91
Ellington[2]	Black									.35			.03					.06	T.							1.12	.41			1.00	T	2.97
Elsinore Lookout[2]	....do											.18															.12			.60			0.90
Farmington	St. Francis								.31				.24					.46		.03						.20	.05		.05		.19		1.53
Fisk[2]	....do									.16	.39	T.	.04								T.	T.					.19	.53			.76		2.07
Fredericktown[2]	....do									T			.03					.45	.27								.88	.10			.63		2.36
Gerald[2]	Meramec									T.			.28						.28								1.68				.08		2.32
Greenville[2]	St. Francis									.10		.02	.75					.23	.01		.12						.76	.22			.45		2.66
High Lookout[2]	Black																					T.					1.12	.73	.04		T.	.45	2.34
Jackson	Mississippi										.39	.10	.04					.36		.13						.10	.32			.33			1.77
Jefferson Barracks[2]	Mississippi								.06	.28			.51					.04	.65								1.09				.25		2.88
Jerome[2]	Gasconade									.20		.20						.20	.40								.90				.50		2.40
Koshkonong	Black									.36			.11						.04							.15	.60	2.00	.15		.40		3.81
Leeper[2]	....do																				.02						.59	.20			.70		1.51
Licking ..... 4 miles N	Gasconade										.30							.30							.37	.20		.35		.67		2.19
Macedonia Lookout[2]	Black											.24														.14	.08				*	.50	0.96
Malden[3]...4 miles NNW	Mississippi								T.	.07	T.	T.	.04					T			.03					.28	.66	.03		1.45	.36	T.	2.92
Marble Hill	....do									.18			T.					.63								*	.69	.21			.70		2.41
Meramec Park[2]	Meramec									.12			.11						.07		.02						.96		.16		.26		1.70
Morehouse	Mississippi									.02			.04					.04				.02					.04	.63			.14		§0.93
Moselle[2]	Meramec								*	.12			.89						.21							.06	.88			.11		2.27
New Madrid[2]	Mississippi									T.			.69	T.					.01			.17					.01	.50			.32	.10	1.20
Owensville[2]	Gasconade									.04			.28						.13								1.61				T.		2.06
Pacific[2]	Meramec									1.50			1.02														1.29				1.42		5.23
Parma[2]	St. Francis																						.08				.10	.35			1.22		1.75
Perryville	Mississippi								.28	T.								.23		.04						*	.89	T.			.30		1.74
Pilot Knob[2]... 2 mi. NE	St. Francis	.11								1.12			.25					.83	.45						.15			.45			.52		3.88
Poplar Bluff[2]....(A)	Black	.01								.10			.37									T					.16	.49	T.		.96		2.09
Poplar Bluff[2]....(B)	....do	T.								.10		T.	.30					.02									.16	.50	T.		.90		1.98
Puxico[3]	St. Francis	.09									.08	.01						.14			.01	T.					.21	.31			1.15		2.00
Qulin[2]	....do									.22			.04								.12						.47	.54			.95		2.34
Reynolds[2]	Black									1.88								.28									.64	.34			.45		3.59
Richwoods[2]	Meramec									.79			.27													.04	.71		.61		.19		§2.61
Rolla[2]	....do									.40			.12					.52	T.		T.						1.45	T.			.05		2.54
Round Spring[2]	Black																										.54	.10			.17		0.81
St. Louis City Office[1, 5]	Mississippi									.25			1.15	.06				.25								1.48	.12			.14			3.45
Airport[3, 5]	Missouri									.63			.83					.38								.87	.25			.01			2.97
St. Louis Univ.[1, 5]	Mississippi									.33			.74	.13				.40								.79	.45			.07			2.91
Washington Univ.[2]	...do									.20	.29			1.24						.37							1.90				.16		4.16
Salem[2]	Meramec									.45		.04	.12					.57	.11								.46	.49					2.24
Sikeston[2]	Mississippi									.08				.03				.02	.05			.01					.22	.42			.39		1.17
Steelville[2]	Meramec									.50		.51	.01					*	.50		.01					.03	.95						§2.51
Summersville	Black									T.	.45		T														.72	.30	.30		.53		2.30
Union	Meramec								.83				.95					.23								.15	1.45				.12		3.73
Valley Park[2]	....do									.29			1.37					T	.58		.26						1.40				.18		4.08
Van Buren	Black																			.27						.39	.36						1.02
Vichy[3]..... 2 miles NW	Meramec								.02		.13	.05	T.		.37					T.	T.				.02	1.29	.49		T.	.02			2.39
Wappapello Dam[2]	St. Francis									.14									T.			T.					.02	.30			.70		1.16
Weingarten	Mississippi								.10				.52					.30		.35						.10				.43		1.80
West Plains[3]	Black									.02		T.	T				T.	T.	.07	.04	.02				T.	.10	2.30		.09	T.	.06		2.70
Williamsville[2]	....do									.10		.01	.05						.06		.02						.45	.32			1.04		2.05
Willow Springs[2] 500 ft E	White										T.		T.					T.				T.			T.	.11	.97	.08		.35	1.34	2.85
Winona Ranger Sta.[2]	Black											.03							T.		T.	T.			.11	.66	1.05	T.		.23	.03	2.11
Zalma[2].....3½ miles S	Mississippi									.21					.27			.43	.22	.27						.97	.26			.15		2.78
Cairo, Ill.[1, 5]	....do					T.		T.				.01	T.					.13			.12					.01	.45		T.	.34	.05		1.11

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for July 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick/	Maximum...	92	96	93	92	92	93	91	89	94	91	85	83	88	95	87	90	88	83	86	80	84	92	95	96	79	92	90	84	95	90	94	89.6
	Minimum...	63	65	67	63	62	65	67	68	76	72	72	69	59	59	65	66	67	64	68	65	53	53	55	69	69	69	66	65	64	64	65	65.0
Chillicothe/	Maximum...	89	92	92	89	89	91	92	87	89	90	82	82	88	95	88	84	90	89	84	80	85	89	95	94	78	89	89	84	91	87	92	88.2
	Minimum...	63	65	64	61	60	65	64	64	68	67	72	65	58	58	67	65	65	64	67	62	53	52	60	63	69	67	63	64	63	60	61	63.2
Columbia	Maximum...	92	93	94	91	92	94	92	96	92	94	88	84	87	94	92	94	92	87	89	81	86	92	95	97	79	94	93	86	96	87	92	90.8
	Minimum...	67	68	69	68	67	67	68	76	71	71	74	66	59	66	70	71	68	68	66	60	50	59	68	74	70	70	67	67	63	68	67	67.2
Fayette	Maximum...	91	92	94	91	92	92	92	92	94	92	86	82	87	92	89	92	91	86	88	81	85	91	94	96	83	92	90	85	95	86	91	89.8
	Minimum...	63	63	64	62	60	60	60	73	68	68	72	68	57	61	65	64	65	68	66	64	48	50	63	72	67	70	63	67	60	60	60	63.6
Grant City	Maximum...	89	93	90	91	89	89	93	86	89	89	82	79	85	90	88	79	89	89	85	77	83	89	93	89	82	89	89	84	90	85	92	87.3
	Minimum...	62	67	65	57	64	62	66	66	67	68	69	62	56	61	70	61	62	65	62	59	48	58	70	64	68	65	59	53	62	57	62	62.5
Hannibal	Maximum...	88	88	91	90	91	93	95	89	91	95	86	81	86	90	90	87	89	84	85	76	82	91	95	90	87	92	91	85	90	83	90	88.4
	Minimum...	58	63	62	63	63	64	67	68	67	69	72	66	60	61	67	62	64	66	62	60	52	58	64	65	66	70	65	64	62	62	62	63.7
Kansas City Airport.	Maximum...	94	95	91	91	90	90	93	95	92	82	85	81	86	94	82	83	90	90	84	78	86	89	92	94	86	91	89	86	96	87	93	88.9
	Minimum...	68	73	70	66	70	72	70	72	75	71	72	68	62	65	70	68	66	72	70	64	58	57	72	72	70	72	68	68	71	66	69	68.6
Kirksville	Maximum...	92	92	93	91	94	95	95	92	95	94	88	83	89	95	93	89	93	89	86	83	86	93	96	91	89	93	91	90	95	90	94	91.3
	Minimum...	61	65	60	62	61	66	65	70	67	68	74	64	60	63	71	62	64	61	63	61	51	58	69	66	68	62	64	61	64	59	62	63.6
Lawson	Maximum...	91	94	91	90	88	89	90	92	92	82	83	81	85	91	85	84	89	88	84	78	83	88	92	94	84	90	87	84	93	84	92	87.7
	Minimum...	64	65	63	61	62	62	64	71	68	70	71	64	56	61	69	64	64	68	66	60	50	56	67	67	66	68	62	61	62	59	62	63.6
Louisiana/	Maximum...	87	89	90	89	93	94	96	91	93	95	87	82	87	89	93	90	91	85	86	78	83	95	93	92	91	92	92	86	91	90	89	89.6
	Minimum...	55	59	53	53	58	58	59	68	65	65	66	69	55	55	56	59	62	66	61	64	44	44	51	51	64	66	69	67	64	61	58	59.5
Macon/	Maximum...	92	95	94	93	94	92	92	90	96	98	83	83	90	93	89	92	90	88	89	81	85	90	94	94	80	90	90	85	92	90	96	90.3
	Minimum...	60	61	62	61	62	65	65	68	67	68	69	67	58	59	61	62	64	64	65	64	52	54	61	68	67	69	65	64	64	61	60	63.1
Maryville	Maximum...	88	92	87	88	87	89	88	86	87	85	81	78	83	89	84	81	85	85	82	77	81	87	93	85	82	85	84	80	88	80	90	85.1
	Minimum...	62	65	65	63	62	60	64	66	67	69	68	60	57	60	66	65	59	66	60	58	51	54	67	63	67	65	59	55	60	57	62	62.0
Mexico /.	Maximum...	93	95	96	90	97	100	100	100	96	100	89	86	90	96	94	95	92	86	91	82	89	91	98	100	85	95	94	88	99	96	94	93.5
	Minimum...	63	65	61	60	64	64	67	73	70	69	74	68	58	62	70	64	68	64	66	64	48	51	62	74	70	72	67	69	67	64	69	65.4
Moberly/	Maximum...	89	93	92	92	91	93	92	89	94	93	85	83	86	92	89	91	92	83	86	89	82	90	93	94	79	90	89	83	93	87	93	89.3
	Minimum...	61	63	61	61	63	63	67	71	68	69	74	68	57	63	67	64	62	63	64	64	50	56	58	69	68	69	63	66	64	62	61	63.8
Oregon	Maximum...	92	96	90	88	92	92	95	89	90	87	84	83	87	94	88	84	90	90	83	80	83	90	94	91	85	88	87	85	90	85	91	88.5
	Minimum...	66	69	68	63	67	67	67	67	69	69	71	63	60	64	65	67	61	69	62	59	54	59	70	65	63	66	61	59	64	60	66	64.5
St. Charles/	Maximum...	84	90	92	92	95	91	98	95	90	99	90	84	87	91	94	95	89	87	90	83	85	91	97	98	89	95	95	88	88	88	95	91.1
	Minimum...	63	62	60	67	63	63	68	70	70	72	72	72	63	62	66	67	70	68	67	66	52	53	61	70	69	69	71	68	64	65	65	65.7
St. Joseph	Maximum...	91	95	91	90	90	90	93	90	88	87	80	84	86	93	86	80	89	89	82	79	83	89	92	92	85	88	88	85	91	85	91	87.8
	Minimum...	67	71	69	64	69	68	68	70	73	73	70	65	59	66	71	68	63	69	66	60	53	60	72	69	69	68	67	64	68	64	67	66.8
Trenton	Maximum...	90	94	92	91	90	91	92	87	90	89	84	82	86	92	90	88	84	90	89	84	85	90	94	92	90	89	89	84	90	87	92	88.9
	Minimum...	61	65	64	61	63	62	62	72	70	69	72	64	58	61	72	64	68	67	67	61	51	64	69	69	68	68	63	61	60	60	62	64.5
Unionville/	Maximum...	91	93	93	93	91	93	95	90	95	95	88	86	90	95	92	88	91	90	90	85	86	93	100	95	90	95	92	88	96	88	95	91.7
	Minimum...	56	60	60	60	58	62	59	62	65	64	65	62	57	55	60	60	60	62	62	58	48	48	55	64	65	65	60	56	54	56	58	59.2
Warrenton	Maximum...	89	91	92	89	92	93	97	95	89	98	90	85	85	92	97	93	93	89	90	84	88	94	99	100	99	92	92	91	98	90	92	92.2
	Minimum...	60	62	64	63	61	63	61	69	69	70	70	70	62	64	66	65	65	77	66	65	53	54	59	71	66	67	62	62	60	61	58	64.0
Keokuk, Iowa	Maximum...	86	82	90	90	90	92	92	85	91	95	86	82	84	89	88	83	89	85	85	75	82	91	93	87	85	91	90	82	88	83	89	87.1
	Minimum...	60	66	66	67	70	68	72	73	69	71	72	66	61	67	70	68	68	68	64	62	54	65	68	66	69	70	66	63	66	63	65	66.5
Southwestern Division																																	
Clinton	Maximum...	94	94	94	93	92	94	93	98	98	88	84	85	89	97	92	98	96	94	92	85	88	94	94	99	85	94	94	89	96	88	94	92.4
	Minimum...	65	68	67	61	61	61	64	71	73	71	70	67	56	62	66	66	67	66	63	57	50	55	63	70	68	69	66	66	64	67	67	64.7
Eldon/	Maximum...	..	..	94	93	92	94	93	99	93	95	84	84	86	93	93	96	92	89	89	84	86	93	95	97	86	93	91	87	95	86	92	[b]91.2
	Minimum...	..	..	..	60	61	59	59	64	71	69	69	71	59	59	60	64	67	67	63	64	49	49	52	63	68	68	67	66	59	54	64	[a]62.3
Harrisonville/	Maximum...	92	92	91	90	88	88	88	92	92	81	83	83	86	92	83	90	92	88	89	84	83	89	91	95	84	94	91	88	95	85	93	88.8
	Minimum...	64	68	67	65	64	63	64	64	70	71	70	66	60	64	65	65	66	66	66	65	55	57	63	66	68	68	64	63	63	65	67	64.9
Jefferson City/	Maximum...	92	96	94	93	94	94	93	98	94	98	91	86	88	96	96	96	96	92	92	85	86	92	96	100	80	95	94	87	96	87	93	92.6
	Minimum...	62	63	68	62	61	60	64	68	71	68	72	70	59	61	66	67	69	67	62	65	51	54	58	68	69	69	69	69	63	64	65	64.6
Joplin	Maximum...	90	90	91	90	84	86	90	94	93	93	88	84	89	94	92	96	95	93	88	81	85	86	89	88	89	94	91	92	96	88	94	90.1
	Minimum...	73	72	70	70	65	66	70	75	73	77	74	71	66	68	71	73	78	71	71	69	59	60	70	74	74	76	75	72	73	70	72	71.0
Lamar/	Maximum...	90	90	90	89	88	88	90	94	92	91	92	83	85	90	90	94	94	94	90	83	85	89	91	91	89	93	92	88	93	85	92	89.8
	Minimum...	67	68	67	62	61	59	63	65	69	69	70	68	60	60	63	66	70	66	64	64	50	50	53	65	69	69	68	66	66	64	64	64.1
Lebanon/	Maximum...	92	85	92	92	90	92	92	98	96	93	93	85	89	96	94	96	95	91	92	82	86	82	95	92	87	97	97	92	89	95	84	93	91.2
	Minimum...	61	64	65	55	57	58	58	66	69	68	69	69	55	58	58	64	67	65	59	60	45	46	60	67	64	67	62	64	62	61	64	61.5
Lexington/	Maximum...	91	94	95	93	92	91	93	93	95	86	85	85	91	96	88	90	91	91	87	83	85	92	93	95	84	93	90	87	96	88	97	90.7
	Minimum...	65	68	68	65	66	65	67	68	72	73	73	66	61	64	68	68	65	65	69	65	56	59	64	71	69	69	66	67	67	64	66	66.4
Marshall	Maximum...	90	..	..	..	93	93	91	96	91	89	87	84	85	92	91	..	87	91	87	84	82	..	..	94	93	90	90	88	94	92	93	[b]89.9
	Minimum...	65	..	..	..	64	68	63	63	71	70	73	68	60	66	71	..	71	65	68	65	52	..	..	60	70	71	67	69	65	65	68	[b]66.3
Mountain Grove	Maximum...	94	90	93	87	88	90	89	96	95	95	93	94	89	96	100	101	95	98	95	92	87	89	93	90	90	94	90	90	95	93	89	92.6
	Minimum...	63	65	64	60	57	57	64	69	71	69	70	70	56	64	67	67	68	64	61	65	48	59	63	67	69	64	64	66	62	62	66	63.9
Neosho	Maximum...	90	92	92	92	87	87	90	94	94	96	96	89	89	93	93	98	96	95	92	88	86	90	91	92	91	97	93	92	94	94	95	92.2
	Minimum...	67	65	62	59	54	58	65	68	69	70	72	70	55	56	61	65	70	62	60	64	47	50	62	69	71	72	69	67	66	74	66	64.0
Nevada	Maximum...	97	96	92	92	90	88	90	97	93	91	87	84	88	94	94	95	95	94	92	84	87	91	91	92	87	96	94	90	96	95	96	91.9
	Minimum...	66	68	66	63	60	62	67	70	68	72	70	69	59	62	66	68	70	68	64	66	52	52	63	70	68	72	68	66	64	66	66	65.5
Sedalia	Maximum...	95	93	92	93	91	93	92	99	94	91	88	82	86	93	91	91	92	90	87	84	84	92	93	97	83	93	91	88	96	95	93	91.0
	Minimum...	64	66	66	59	61	64	66	71	70	70	70	66	55	62	65	66	65	66	63	63	49	55	63	74	67	69	64	68	62	64	66	64.5
Springfield ..½ mile E	Maximum...	91	90	91	87	87	87	88	94	94	93	91	85	86	90	93	96	94	92	90	81	83	88	96	88	89	93	89	88	92	85	90	89.5
	Minimum...	65	67	65	61	60	60	64	69	72	70	72	63	55	64	65	70	72	67	62	56	52	58	62	64	68	67	67	65	63	68	66	64.5
Warrensburg	Maximum...	93	94	90	91	90	91	90	93	92	92	85	82	85	93	94	89	90	90	87	86	83	90	92	94	87	93	90	89	95	94	92	90.2
	Minimum...	66	66	66	64	66	65	65	73	72	72	71	67	61	64	70	67	65	70	67	66	56	59	67	72	69	71	68	67	66	66	67	66.8
Southeastern Division																																	
Arcadia/	Maximum...	93	93	94	87	96	95	95	99	97	97	97	90	94	94	95	99	90	96	93	84	84	91	96	97	97	97	98	93	96	89	96	93.9
	Minimum...	54	50	51	51	53	52	53	59	64	67	68	68	59	55	55	55	59	65	61	62	47	47	49	56	68	68	65	68	56	56	64	58.2
Birch Tree .. ½ mile E	Maximum...	88	89	91	89	92	92	89	97	100	95	94	92	94	94	100	97	97	97	97	87	87	91	95	..	95	94	..	..	..	..	..	§93.3
	Minimum...	60	54	58	58	54	53	58	63	67	69	68	73	56	60	58	58	72	65	59	69	..	47	50	..	60	68	67	66	56	58	64	[b]61.0
Caruthersville/	Maximum...	86	89	90	85	90	85	90	95	97	97	99	90	86	90	94	92	90	95	93	82	80	85	92	95	94	91	85	88	94	81	87	89.9
	Minimum...	68	65	65	64	64	65	66	68	72	73	74	76	68	68	66	68	73	72	72	71	58	58	58	62	68	76	67	68	66	67	68	67.5
Crystal City	Maximum...	91	93	95	92	93	93	96	97	92	97	99	91	88	92	99	94	90	93	89	85	85	90	96	98	96	96	95	91	94	95	94	93.2
	Minimum...	59	55	60	60	56	57	65	67	68	69	71	73	60	56	60	64	70	65	61	61	46	50	55	72	66	67	67	69	59	65	64	62.5
Doniphan	Maximum...	92	94	95	88	94	91	96	102	100	101	100	93	90	95	100	100	96	100	100	92	87	92	98	100	97	95	93	95	99	90	96	95.5
	Minimum...	60	51	56	60	52	54	59	64	70	70	70	72	60	57	59	69	69	61	68	49	47	50	59	68	69	66	66	56	65	67	61.7
Farmington	Maximum...	87	90	91	89	92	90	95	99	91	97	99	89	84	92	99	93	89	93	92	81	81	90	95	98	91	96	94	91	98	91	98	92.1
	Minimum...	57	52	64	57	55	57	62	66	67	69	72	72	61	57	60	67	64	68	66	63	50	49	58	69	68	70	75	68	59	63	65	62.9
Jackson	Maximum...	89	91	92	91	93	93	93	98	97	96	98	87	88	92	98	98	94	95	94	81	84	95	96	97	97	95	95	94	92	91	94	93.2
	Minimum...	59	55	65	51	58	58	63	67	70	73	72	75	63	60	62	70	66	69	67	67	52	52	58	68	71	70	65	68	59	65	69	64.1
Poplar Bluff	Maximum...	97	100	99	95	100	95	99	101	105	101	100	98	91	104	100	103	101	104	100	84	86	92	103	98	96	96	92	95	98	85	94	97.2
	Minimum...	62	56	63	59	53	56	61	65	70	70	72	72	62	61	62	68	62	68	65	63	53	51	52	63	74	67	62	62	59	64	70	62.8
Rolla/	Maximum...	91	92	93	89	92	92	91	99	91	96	92	88	88	94	98	96	91	92	91	84	85	91	95	98	88	95	92	89	97	85	96	92.0
	Minimum...	63	61	69	62	59	60	64	73	69	70	71	71	61	62	65	69	65	67	65	64	55	56	66	71	69	68	70	70	63	64	66	65.4
St. Louis	Maximum...	88	90	91	88	91	90	93	93	88	95	93	81	85	89	95	90	86	87	86	79	80	88	93	96	90	92	91	85	91	86	92	89.2
	Minimum...	65	72	70	68	73	71	70	73	74	76	70	71	67	70	74	74	69	74	72	66	62	63	70	77	68	69	72	73	68	71	72	70.5
Salem/	Maximum...	89	93	94	88	91	90	93	98	97	94	95	88	87	94	99	97	93	93	92	85	86	90	95	95	89	95	93	90	98	86	95	92.3
	Minimum...	59	57	59	58	54	55	58	66	69	69	69	70	56	56	58	62	65	65	61	62	44	49	54	63	69	69	65	67	56	61	63	60.9
Sikeston/	Maximum...	87	90	90	92	93	90	95	101	102	103	102	93	89	96	100	98	90	100	99	82	85	90	98	101	97	95	93	92	99	88	95	94.4
	Minimum...	61	59	64	60	59	59	67	69	71	73	74	73	61	63	62	69	67	67	64	70	53	54	55	65	71	72	66	68	62	66	69	64.9
Union	Maximum...	91	93	94	96	96	97	99	97	90	99	93	89	86	94	98	94	96	90	93	88	85	95	100	102	87	100	98	89	97	94	92	93.9
	Minimum...	57	56	60	59	56	55	55	65	67	68	67	68	58	57	60	62	63	65	59	59	45	47	48	68	67	68	67	65	57	66	59	60.4
West Plains	Maximum...	89	90	90	85	90	91	91	98	100	101	98	93	90	95	99	98	97	97	97	84	86	90	95	94	94	96	89	92	96	83	91	92.9
	Minimum...	62	57	57	57	53	56	58	63	70	69	70	66	58	57	59	66	72	65	61	60	47	47	51	65	68	66	66	65	60	66	65	61.4
Cairo, Ill.	Maximum...	86	89	92	85	91	84	89	95	98	98	96	88	89	93	97	96	88	96	95	80	82	89	92	96	92	93	91	94	93	88	91	91.2
	Minimum...	68	65	69	64	66	66	67	73	75	76	78	74	68	68	68	75	70	72	71	69	60	61	64	71	76	68	68	70	67	68	72	69.3

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis, 9-7-44—1000.

(Continued from page 43)

Windstorms.—17th, 26th, 29th. (See special windstorm notes).

HAILSTORMS

On the 26th, at about 9 p. m., (C. W. T.) a hailstorm occurred at Koshkonong, over a path one-half mile wide and of unknown length, in connection with a windstorm, moving from the north. Damage, mostly from hail, was estimated at $500 to property and $3,000 to fruits, gardens, and other crops.

On the 29th, at 6.15 p. m., (C. W. T.), moderate hail fell at St. Thomas, over a path two miles long and one-fourth mile wide. Stones were three-eighths of an inch in diameter and fell for more than an hour. No damage resulted. Heavy hail occurred in spotted areas of Miller and Camden Counties, between 7 p. m., and 9.30 p. m., (C. W. T.) on the 29th. At Eldon, Lakeside, Tuscumbia, and Camdenton the hail was reported as heavy. The path was a diagonal strip across the west-central part of Miller County, extending into northeastern Camden County, and was about 18 miles long and about 4 miles wide. Stones varied in size from one-fourth inch to some almost as large as hen eggs, the latter falling at Eldon. Damage to crops was estimated at $10,000. Many roofs were damaged at Eldon. The storm, or storms, first came from the north and northeast and later from the southwest. A very heavy hailstorm occurred about eight miles north of Warrenton and ten miles west of Elsberry, between 6:45 p. m., and 7:15 p. m., (C. W. T.) of the 29th, with severe damage to corn, and some damage to roofs. Stones were about one inch in diameter. The storm came from the northeast and covered a path five miles long and two miles wide. Amount of damage not available.

WINDSTORMS

17th: At Oregon; minor damage to trees and chimneys.

26th: In southeastern Wayne County, near Wappapello Lake, with small amount of property damage and some trees uprooted. This windstorm moved from the northwest and was reported as a tornado in press reports, but was evidently a straight-line wind. Amount of damage not available. At 5:09 p. m., (C. W. T.), a severe windstorm, accompanied by light hail, struck Lebanon, resulting in property damage estimated at $5,000 to $6,000. There was very little crop damage. This storm came from the northwest, with path two miles wide and ten miles long. At 9:00 p. m., (C. W. T.), a windstorm accompanied by hail, struck Koshkonong, but damage was mostly by hail. This storm moved from the north over a path one-half mile wide and of unknown length. (See hailstorm notes.) At the same time as the storm at Koshkonong, another windstorm struck Jackson, resulting in property damage estimated at $10,000 and crop damage estimated at $4,000. The storm at Jackson came from the northwest, and covered a path five miles wide and of unknown length. Windstorms were also reported as occurring at Roby, Annapolis, and Morehouse, with damage to trees at latter place, but details not available.

29th: Windstorms occurred near Elsberry and Warrenton; also at Jackson, Perryville, Crocker, Farmington, Morehouse, St. Louis and vicinity, and at Claryville. Near Elsberry, wind and hail damaged corn and several roofs of buildings were blown off. The storm path was fifteen miles long and four and one-half miles wide. The wind was from the north. Amount of damage not reported. Trees were leveled and slight damage done to crops north and northeast of Warrenton, and two persons were struck by lightning at Truesdale, also near Warrenton, both recovering. At Jackson, property damage was estimated at $1,000; path of storm was one mile wide and of unknown length, extending from northwest to southeast. At St. Louis and vicinity, trees were blown down and transmission lines and plate glass windows broken. Four persons were reported slightly injured. Amount of damage not available. At Claryville, the center spans of the $1,385,000 highway bridge across the Mississippi River connecting that town with Chester, Illinois, fell into the river, presumably as a result of a thunderstorm, and accompanying windstorm, occurring at about 9:45 p. m., (C. W. T.). The piers and approaches on each side of the river were left standing. Traffic by boat was hampered by blocking of the main channel of the river. Trees were damaged at Crocker and Morehouse, but details from those places and from Farmington are not available.

ERRATA

May 1944, page 28: Greatest 24-hour precipitation and date at Clinton should be 1.11 on 20–21. Page 32: Maximum temperature at Kansas City Airport on 25th should be 89.
June 1944, page 35: Date of maximum temperature and greatest 24-hour precipitation and date at Clinton should be 27 and 0.99 on 8–9, respectively. Greatest 24-hour precipitation and date at Advance should be 0.80 on 29. Page 38: Precipitation on 23d and 24th at Springfield should be .04 and .06, respectively.

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v. 48

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

OCT 11 1944

CLIMATOLOGICAL DATA

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII AUGUST 1944 No. 8

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The current month averaged both wetter and cooler than normal for the State as a whole. It was the wettest August since 1915 and the third wettest month of that name in the 57 years that State-wide records have been kept. Despite the heavy and abundant rainfall over both the Northern and Southwestern Divisions of the State, the precipitation over the Southeastern Division was generally deficient and droughty conditions continued throughout most the month over much of that area, particularly the extreme southern portion. In Oregon County, where the total precipitation for the month was only 1.23 inches, the drought was especially severe and crops were ruined.

The first half of the month averaged consistently warmer than normal, while the latter half was relatively cool, with a decidedly cool period from the 25th to 28th, when the lowest temperatures of the month occurred quite generally. The Northern and Southwestern Divisions both averaged approximately 1.0° cooler than normal, while the Southeastern Division averaged 0.5° warmer than normal. Extremes of temperature during the month were not unusual.

Precipitation was frequent and rather heavy over most of the Northern and Southwestern Divisions, while over much of the Southeastern Division it was deficient and occurred mostly during the latter half of the month. A number of stations in the Northern and Southwestern Divisions received monthly totals in excess of ten inches, while the greatest monthly total for the Southeastern Division was 6.79 inches, at Summersville. Locally heavy rains of five inches, or more, falling within a 24-hour period, occurred at Lakeside on the 1st-2d and at Martinsburg on the 21st-22d.

Minor overflows occurred in portions of the Grand, Osage, and lower Missouri rivers the last three or four days of the month. There was also some local overflowing of smaller streams in western and northern portions of the State following heavy to excessive rains on the 1st, 4-5th, and 25-26th.

The month was practically free of destructive storms, only a few local windstorms, resulting in only minor damage, and only one occurrence of damaging hail, being reported.

The abundant and copious precipitation over the Northern and Southwestern Divisions throughout the month was very beneficial to all growing crops, while over much of the Southeastern Division there was further deterioration in crop growth, due to a lack of sufficient moisture. A good crop of corn was assured, except in the drier areas of the Southeastern Division, and where drought conditions during July had not already seriously damaged this crop. Late hay crops, especially lespedeza, soybeans, grain sorghums, and pastures made rapid growth and development during August, except in the southeast portion of the State. Hay harvest continued during the month, but frequent showers in northern and southwestern areas interfered with this work. Threshing of small grains was completed during the month and preparation of the ground for fall seeding was under way, with the ground in fine working condition, except in the southeastern portion where it was generally too dry to work. Some early seedings of small grains

(Continued on page 50)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity $: 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.23*	19	29.68*	30	6.6	21	ne.	4	87*	63*	65*	61	10
Kan. City Airp't.	30.20	18	29.65	30	9.6	37	nw.	16	83	62	59	56	4
St. Joseph	30.20*	18	29.64*	30	8.0	33	nw.	15	88*	63*	66*	60	15
St. Louis	30.28*	19	29.70*	30	10.5	27	sw.	30	76	52	52*	65	6
Springfield	30.20	19	29.76	30	9.6	41	n.	12	91	67	71	72	8
Cairo, Ill.	30.24	19	29.77	30	6.7	27	se.	16	85	60	..	79	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. $ C. S. T.

COMPARATIVE DATA FOR AUGUST

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	74.0	110	45	7.03	5.95	7.84	7.30	0	11	..	..	..
1889	73.5	101	52	1.69	1.65	2.11	1.31	0	14	..	..	..
1890	73.3	106	47	5.13	4.25	7.21	3.93	0	9	..	..	..
1891	73.2	102	38	5.29	5.96	5.14	4.78	0	8	..	..	..
1892	74.3	102	44	2.65	2.24	2.63	3.08	0	6	17	8	6
1893	72.8	100	40	1.99	2.55	1.89	1.53	0	4	18	10	3
1894	77.0	111	39	1.64	1.00	1.59	2.33	0	5	14	16	1
1895	75.3	104	46	4.02	5.45	3.51	3.09	0	8	15	11	5
1896	76.6	108	41	3.13	3.32	3.25	2.82	0	6	17	10	4
1897	74.1	108	41	2.37	2.48	2.23	2.39	0	6	19	9	3
1898	75.8	103	44	3.13	2.93	2.88	3.57	0	5	17	10	4
1899	78.8	107	49	3.13	4.19	2.76	2.45	0	7	18	10	3
1900	80.3	105	52	3.55	2.99	4.79	2.87	0	6	19	9	3
1901	78.4	109	47	2.05	1.12	2.74	2.29	0	5	19	9	3
1902	75.0	103	47	6.06	5.66	6.79	5.74	0	10	14	11	6
1903	74.5	102	43	5.00	6.54	5.01	3.44	0	10	16	11	4
1904	73.7	100	43	5.40	5.61	5.84	4.76	0	8	16	10	5
1905	76.4	99	48	4.68	4.19	5.90	3.94	0	8	19	7	5
1906	76.6	101	40	4.70	3.99	5.10	5.01	0	11	14	10	7
1907	77.3	109	47	3.89	3.92	3.90	3.85	0	9	17	8	6
1908	76.4	102	46	3.46	3.63	3.61	3.14	0	8	17	9	5
1909	79.5	110	40	0.60	0.31	0.67	0.81	0	2	24	6	1
1910	74.7	103	40	2.92	2.63	3.56	2.57	0	6	15	9	7
1911	75.4	109	41	4.33	2.81	4.97	5.21	0	7	15	8	8
1912	76.2	104	41	4.04	4.77	3.42	3.93	0	9	17	8	6
1913	82.8	110	41	1.09	1.24	0.67	1.37	0	3	22	7	2
1914	78.0	106	49	4.25	3.73	4.53	4.48	0	9	15	9	7
1915	69.8	98	37	8.19	4.99	7.57	12.02	0	12	12	9	10
1916	79.2	107	41	4.09	5.39	2.55	4.33	0	7	19	7	5
1917	73.3	104	38	4.69	3.13	5.04	5.89	0	9	16	8	7
1918	81.8	111	45	3.57	3.22	2.91	4.59	0	8	17	9	5
1919	75.7	106	44	4.33	4.41	4.47	4.12	0	8	17	9	5
1920	73.1	102	43	4.69	3.56	5.94	4.56	0	9	15	8	8
1921	76.8	109	48	5.39	5.16	6.42	4.60	0	9	14	10	7
1922	77.5	107	46	2.44	2.68	1.67	2.97	0	6	18	8	5
1923	77.3	108	42	3.81	5.47	1.87	4.08	0	8	16	9	6
1924	77.2	106	48	4.11	3.66	4.50	4.18	0	7	19	8	4
1925	76.5	107	45	3.34	5.31	2.60	2.10	0	6	19	8	4
1926	77.5	106	50	5.65	4.03	6.39	6.53	0	10	15	9	7
1927	71.1	97	39	5.09	4.19	7.04	4.04	0	9	14	10	7
1928	76.4	99	45	5.48	4.37	6.75	5.33	0	9	15	10	6
1929	76.0	105	43	2.58	1.84	2.21	3.69	0	6	18	9	4
1930	78.5	114	47	1.99	2.39	1.87	1.70	0	6	16	10	5
1931	74.9	106	44	4.97	4.03	5.66	5.21	0	9	15	9	7
1932	77.2	106	46	5.70	7.82	3.86	5.42	0	9	18	9	4
1933	75.4	103	48	3.82	4.32	3.80	3.33	0	9	13	10	8
1934	80.6	115	41	4.01	3.36	2.83	5.83	0	9	14	11	6
1935	77.7	110	45	2.20	1.60	2.73	2.26	0	6	17	9	5
1936	84.6	116	43	0.84	0.90	0.91	0.72	0	4	20	8	3
1937	80.5	105	51	2.05	2.50	2.00	1.64	0	5	17	11	3
1938	81.1	108	53	2.62	4.62	1.78	1.47	0	6	20	8	3
1939	75.4	106	45	4.80	6.30	3.76	4.34	0	9	15	11	5
1940	75.6	107	45	5.78	5.47	7.21	4.67	0	12	10	12	9
1941	79.2	106	49	3.15	2.37	3.53	3.56	0	8	15	11	5
1942	75.1	106	41	4.24	3.98	3.68	5.05	0	9	14	10	7
1943	79.8	110	44	2.46	3.00	1.92	2.47	0	6	16	11	4
1944	75.9	107	41	6.09	6.84	8.02	3.40	0	10	12	11	8
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
Period	**76.6**	**116**	**37**	**3.85**	**3.79**	**3.97**	**3.79**	**0**	**8**	**17**	**9**	**5**

NAT. HIST.

Climatological Data for August 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	73.0[a]	.....	95[a]	9†	49[a]	28	15	7.50	+3.90	1.46	20	0	12	6[k]	7[k]	7[k]	s. [d]	Curtis E. Grace
Bethany	Harrison	916	49	72.9	− 2.1	96	10	52	18†	51	9.48	+5.66	2.59	25-26	0	11	15[a]	9[a]	6[a]	se.	A. S. Cummiug
Brookfield	Linn	767	3	76.4	.....	100	9†	57	28†	3	6.27	.....	2.00	25-26	0	8	19	1	11	s.	G. F. Breen
Brunswick	Chariton	652	63	74.7	+ 0.5	98	10	55	29	65	6.58	+2.64	2.10	25-26	0	12	15	6	10	se.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	74.7	.....	98	10	50	24	14	5.69	+2.53	1.80	20-21	0	8	19	6	6	s.	Lockmaster
Chillicothe	Livingston	779	35	73.4	− 2.1	97	10	52	30	38	7.56	+3.60	2.21	4	0	10	22	1	8	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	75.6	− 0.4	99	10	54	28	35	6.13	+2.33	2.28	26	0	12	12	12	7	sw.	Dr. A J. Bradsher
Columbia	Boone	740	54	75.2	− 1.1	97	15	55	28	54	8.39	+4.79	3.10	20-21	0	13	8	15	8	s.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	73.8	− 0.9	99	11	50	28	60	8.62	+4.98	1.55	1	0	13	9	15	7	se.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	74.1	− 1.0	97	10	41	26	41	11.47	+7.43	3.52	4-5	0	12	4	17	10	se.	LeRoy Mindrup
Elsberry	Lincoln	449	13	76.0	− 0.5	99	10†	52	19	13	3.17	−0.09	1.15	25	0	8	14	13	4	sw.	John Dowell
Fayette	Howard	760	64	74.2	− 1.7	96	10	54	28	61	6.06	+2.50	1.80	25-26	0	13	19	2	10	sw.	Irvin E. Schnell
Fulton	Callaway	818	56	75.4	− 1.0	96	11	57	26†	52	6.64	+2.99	1.55	25	0	12	19	7	5	e.	Frank E. Hillgartner
Grant City	Worth	1,134	40	72.7	− 2.2	95	10†	48	28	52	8.14	+4.20	1.80	25-26	0	10	13	11	7	sw.	Howard Rybolt
Hannibal	Marion	759	52	74.2	− 0.8	100	10	51	26	60	4.60	+1.26	1.11	16-17	0	10	13	11	7	sw.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	76.5	− 0.1	101	3	54	28	55	7.97	+4.43	2.06	25-26	0	12	8	13	10	se.	U. S. Weather Bureau
Kansas City Univ. ‡	Jackson	908	6	76.6	.....	100	3†	55	28	6	6.95	.....	1.50	20	0	10	11	9	11	s.	University of Kansas City
Kidder	Caldwell	1,020	52	72.6	− 2.8	93	10	49	28	56	8.52	+4.56	1.84	12	0	13	14	4	13	s.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	75.3	+ 1.3	100	10	53	26†	62	5.13	+1.01	2.39	25-26	0	12	12	10	9	sw.	P. O. Selby
Lawson	Ray	1,070	6	73.6	.....	95	3†	50	28	6	12.37	.....	3.48	4-5	0	13	7	14	10	se.	Frank G. Gstrein
Louisiana	Pike	469	50	74.0	− 0.9	100	10	53	20	63	4.30	−0.24	1.03	16-17	0	9	6	18	7	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	73.6	− 2.5	98	10	54	26	51	6.66	+2.85	2.34	20-21	0	11	10	9	12	se.	John W. Atwell
Maryville	Nodaway	1,169	54	71.6	− 2.2	97	10	47	28	50	9.88	+5.90	1.93	15-16	0	12	18	3	10	se.	R. B. Montomery
Memphis	Scotland	787	5	73.2	.....	99	15	53	26†	14	4.00	+0.03	1.80	4	0	9	16	7	8	sw.	John W. Alexander
Mexico	Audrain	800	55	76.2	+ 0.2	102	10	55	30	66	7.77	+3.92	1.80	21-22	0	13	12	12	7	sw.	Henry D. Llewellyn
Moberly	Randolph	860	7	74.0	.....	96	10†	55	26	7	6.28	.....	2.20	25-26	0	11	11	11	9	sw.	James G. Carney
New Florence. 1 mi SE	Montgomery	885	1	74.3	.....	98	15	54	20	2	3.37	.....	1.86	21	0	7	7	11	13	se.	U. S. Weather Bureau
Oregon	Holt	1,048	88	74.7	− 0.5	101	10	50	28	88	8.98	+5.18	1.96	13-14	0	12	16	9	6	se.	Miss Mina Wright
St. Charles	St. Charles	520	56	77.6	+ 0.8	100	9†	56	20	66	3.21	−1.03	1.42	21-22	0	6	16	10	5	sw.	Martin L. Comann
St. Joseph	Buchanan	957	34	74.6	− 1.9	98	10	50	28	72	11.54	+7.71	4.05	4	0	15	14	9	8	se.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	74.8	.....	98	10	55	26	6	3.89	.....	0.94	25-26	0	11	22	5	4	s.	Lockmaster
Shelbina	Shelby	779	3	74.8	.....	96	9†	54	26	51	8.79	+5.07	2.53	20-21	0	10	16	7	8	e.	Guyman Hatcher
Steffenville	Lewis	650	46	75.1	− 1.4	97	3†	53	26	51	5.57	+1.53	1.62	4	0	11	12	11	8	se.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	72.4	− 2.8	101	10	47	28	50	5.31	+1.41	1.93	25-26	0	11	10	11	10	se.	C. A. A. Station
Trenton	Grundy	822	48	74.4	− 0.8	95	10	53	28	49	8.56	+4.68	2.89	20-21	0	11	15	10	6	s.	W. H. Estes
Unionville	Putnam	1,062	51	74.0	− 0.8	102	10	50	27†	51	5.88	+1.60	2.46	25-26	0	11	11	13	7	se.	C. D. Wilson
Warrenton	Warren	816	62	76.0	− 0.5	102	10†	54	20	54	3.97	+0.30	1.48	21	0	11	14	10	7	se.	W. J. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	75.1	+ 0.1	99	10	54	26	72	4.78	+1.58	2.71	25-26	0	10	12	13	6	se.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**74.5**	**− 1.0**	**102**	**10†**	**41**	**23**	..	**6.84**	**+3.05**	**5.32**	**21-22**	**0**	**11**	**13**	**10**	**8**	**se.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	76.4	− 1.3	99	3†	51	29	45	6.01	+1.89	1.84	5	0	9	19[a]	5[a]	6[a]	sw.[e]	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	76.5	− 1.3	102	4	51	28	52	7.81	+3.85	....	..	0	9	17	3	11	sw.	Rolla Brown
Bolivar	Polk	1,071	41	76.6	− 0.3	97	12	53	28	49	11.66	+7.80	3.80	20-21	0	13	11	12	8	w.	Southwest Baptist College
Boonville	Cooper	650	6	72.0	.....	93	10†	53	28†	67	6.07	+1.52	2.10	25-26	0	9	12	7	12	se	Boonville Water Dept.
Carthage	Jasper	962	10	78.6	.....	100	12	52	31	20	6.41	.....	1.95	26	0	12	5	23	3	se.	Carthage W. and E. Plant
Clinton	Henry	786	51	75.6	− 2.0	102	3	52	28	57	8.00	+4.35	1 99	25	0	13	11	12	8	e.	U. S. Weather Bureau
Eldon	Miller	934	49	73.4	− 3.0	94	4	53	28	45	8.29	+4.63	1.72	2	0	11	12	9	10	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	75.4	.....	94	10†	53	28	3	9.29	.....	2.95	1-2	0	11	13	10	8	s.	U. S. Army Medical Corps
Harrisonville	Cass	901	66	74.5	− 1.4	100	3	49	28	69	8.32	+4.14	2.29	25-26	0	11	8	8	15	e.	John H. Patterson
Jefferson City	Cole	557	54	75.0	− 1.7	95	15	54	28†	62	5.86	+2.03	1.74	25-26	0	9	11	10	10	se.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	79.6	+ 2.3	98	1†	60	28†	39	6.23	+2.26	1.86	26	0	12	19	3	9	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	74.1	− 5.0	95	8†	52	19	13	14.15	+10.98	7.60	1-2	0	14	12	11	8	.....	W. S. Frame
Lamar	Barton	980	56	75.6	− 2.1	96	3†	54	28†	63	10.56	+6.27	4.15	25-26	0	13	17	7	7	sw	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	73.6	− 2.5	95	11	50	28	57	10.35	+5.86	2.59	25-26	0	13	9	7	15	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	75.6	− 0.6	98	3†	54	28†	60	10.91	+7.39	3.27	4	0	13	15	10	6	ne.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	77.8	+ 0.6	101	12	51	28	48	8.18	+3.48	2.99	26	0	10	13	13	5	se.	Hubert A. Nieman
Marshall	Saline	779	57	77.3[b]	+ 1.3	96[b]	10	53[b]	28	54	9.29	+5.39	2.75	25	0	9	7[b]	17[b]	5[b]	se.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	74.7	− 0.8	91	11†	52	28	47	8.24	+3.90	3.80	1-2	0	15	12	15	4	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	75.8	− 0.9	98	4	52	28	44	6.45	+1.97	1.72	6-7	0	15	13	8	10	se.	James C. Williamson
Neosho	Newton	1,011	57	78.8	+ 1.7	98	2†	52	28†	61	5.14	+0.77	1.80	25-26	0	9	9	16	6	se.	U. S. Fisheries Station
Nevada	Vernon	862	51	78.4	+ 1.3	102	3†	52	28	52	13.22	+9.45	3.60	20-21	0	11	14	9	8	sw.	Henry Kraft
Ozark Beach	Taney	700	4	77.4	.....	99	11	53	28	19	5.95	+1.62	1.70	1-2	0	11	2	17	12	se.	A. J. Sharp
Sedalia	Pettis	910	31	75.8	− 0.7	98	10	51	28	33	9.95	+4.77	2.58	4-5	0	13	16	8	7	se.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	75 6[b]	− 0.6	92[c]	3	54[b]	28	41	5.42	+1.42	2.43	25-26	0	9	16[d]	7[d]	4[d]	.....	Floyd E. Fawver
Seymour. 3½ miles NE	Webster	1,642	38	74.8	− 0.2	95	11	47	28	38	5.16	+0.92	1.65	25-26	0	10	17	8	6	s.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	56	73.9	− 1.1	93	10	52	28	56	6.65	+2.56	1.97	25-26	0	15	8	11	12	se.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	73.8	.....	96	4†	48	28	3	10.52	.....	3.87	4-5	0	15	13	10	8	s.	H. F. Nelson
Warrensburg	Johnson	878	57	76.9[a]	− 0.2	98[a]	4	52[a]	28	64	8.37	+4.40	2.42	4-5	0	10	13	9	9	se.	Central Teachers College
Warsaw	Benton	687	43	77.0	− 0.6	98	4†	52	28	49	8.02	+3.40	3.00	25-26	0	13	11	14	6	s.	Dora B. Johnson
Wasola	Ozark	1,294	3	74.6	.....	95	11	52	28	4	6.04	.....	1.39	2	0	8	10	16	5	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**75.8**	**− 0.8**	**102**	**3†**	**47**	**28**	..	**8.02**	**+4.05**	**7.60**	**1-2**	**0**	**12**	**12**	**11**	**8**	**s.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	77.5	.....	99	9	52	28	7	2.58	.....	0.99	30	0	9	7	13	11	s.	U. S. Weather Bureau
Arcadia	Iron	926	63	76.5	+ 2.2	101	11	49	19†	66	2.60	−1.77	1.01	30-31	0	7	17	3	11	se.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	75.8[b]	− 0.3	97[c]	9	51[a]	20†	50	3.12	−1.64	0.73	30	0	10	15[c]	9[c]	4[c]	sw. [c]	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	74.6	+ 0.1	100	9	44	19	51	2.91	−1.33	0.88	30	0	10	13	10	8	nw.	Claude Volner
Campbell	Dunklin	314	18	77.0[1]	− 0.2	98[1]	15	55[1]	28	18	3.30	−2.68	1.20	21-22	0	8	17	12	2	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	78.4	− 1.9	95	9	58	28†	52	1.27	−2.42	0.47	21-22	0	3	18	5	8	s.	Victor T. Malloure
Crystal City	Jefferson	420	10	77.8	− 0.4	101	11	52	19†	10	4.23	+1.80	1.60	12	0	11	7	13	11	sw.	Richard K. Ragland
Doniphan	Ripley	344	40	80.2	+ 2.6	102	16	50	28	40	2.50	−1.74	1.03	30	0	9	23	3	5	sw.	Boyce Lackey
Farmington	St. Francois	896	33	77.0	+ 1.6	101	11	52	19†	47	3.41	−0.89	0.83	25-26	0	9	3	15	13	s.	F. M. Karsch
Greenville	Wayne	381	35	77.8	+ 1.1	103	9	50	20	37	3.82	−0.46	1.28	12	0	8	12	14	5	se.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	78.7	+ 2.6	101	9†	51	20	54	4.23	+0.15	1.37	31	0	10	9	6	16	n.	John G. Putz
Koshkonong	Oregon	958	43	76.6[a]	− 1.3	98[a]	11	49[a]	28	44	3.18	−0.98	1.47	22-23	0	7	17[a]	8[a]	5[a]	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	75.6	.....	99	11	52	18†	7	4.87	.....	1.33	25-26	0	10	16	8	7	s.	U. S. Forestry Service

Continued on next page

Climatological Data for August 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours *	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	80.0	.....	99	9	58	28	1	2.31	.....	1.12	30	0	6	9	7	15	se.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	77.0	0.0	101	9	48	20	51	3.40	−0.72	0.95	30-31	0	8	14	14	3	sw.	R. A. DeWitt
Poplar Bluff	Butler	339	39	79.2	+ 1.2	101	9	53	20	40	3.19	−1.38	1.37	21	0	7	20	4	7	s.	Joe Roehm
Rolla	Phelps	1,202	44	76.1	− 0.1	97	9†	53	28	60	6.19	+1.75	1.97	30	0	8	2	25	4	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	78.2	+ 0.7	98	11	58	26	107	2.46	−0.53	1.03	30	0	9	11	11	9	s.	**Section Center**
St. Louis Airport	St. Louis	556	7	77.1	+ 0.7	101	11	57	26	13	3.25	+0.23	2.07	21	0	9	5	11	15	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	77.8	0.0	98	11	58	26	32	1.91	−2.03	0.58	26	0	8	20	4	7	se.	St. Louis University
Salem	Dent	1,173	40	76.2	+ 0.3	100	11	50	19	43	4.51	−0.06	0.82	22	0	9	17	8	6	s.	E. E. Martin
Sikeston	Scott	318	37	79.1	+ 1.5	102	9	56	28	47	4.22	+0.42	1.49	21	0	6	11	14	6	sw.	William B. Seabaugh
Union	Franklin	520	6	78.7	.....	107	15	48	20	27	3.28	−1.42	0.90	30	0	8	12	12	7	s.	Columbus L. Cumlo
Vichy .....2 mi. NW	Maries	1,125	8	76.4	.....	96	15	54	28	9	4.14	.....	0.99	25	0	8	9	15	7	s.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	78.8	.....	102	7	55	28	5	5.14	.....	3.02	16-17	0	9	7	22	2	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	77.3	.....	101	11	53	19	4	3.41	.....	0.75	12†	0	7	16	8	7	s.	William J. Miller
West Plains	Howell	1,005	7	76.0	.....	98	11	49	20	7	2.71	.....	0.70	30	0	10	11[a]	10[a]	9[a]	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	74.1	.....	95	11	50	20	37	6.01	+1.93	1.30	12	0	10	14	12	5	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	79.2	+ 0.4	98	9	59	28	73	4.40	+1.38	2.66	16-17	0	9	8	13	10	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**77.4**	**+ 0.5**	**107**	**15**	**44**	**19**	..	**3.40**	**−0.39**	**3.99**	**12**	**0**	**8**	**12**	**11**	**8**	**s.**	
State means	**and extremes**	.....	..	**75.9**	**− 0.7**	**107**	**15**	**41**	**26**	..	**6.09**	**+2.24**	**7.60**	**1-2**	**0**	**10**	**12**	**11**	**8**	**se.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. * Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Areadia; East End is Goodland; Enstwood Lookout is Van Buren; Ellsiuore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar-Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for August 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia..... (Univ. of Mo. Hort. Exp. Sta. 9 mi. W.)	Evaporation	.312	.090	.268	.343	.349	.229	.291	.188	.302	.318	.428	.240	.280	.262	.078	.481	.239	.301	.252	.249	.210	.059	.011	.179	.253	.058	.018	.040	.133	.280	.001	6.742
	Mean temperature	70	78	81	82	76	77	76	78	80	82	82	80	78	78	82	79	74	70	71	72	70	70	73	70	62	60	61	64	68	67	67	73.5
	Wind movement ..	55	61	67	95	130	50	44	34	51	64	137	81	49	60	71	130	80	105	44	82	46	54	33	62	68	127	78	99	86	140	51	2,234
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	72	78	80	80	78	76	76	79	80	80	80	81	79	76	80	79	74	70	69	70	75	72	75	72	62	64	62	67	71	70	70	74.1
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis .. (Washington University)	Evaporation	.208	.212	.230	.286	.276	.259	.250	.217	.237	.248	.282	.260	.172	.208	.261	.180	.084	.144	.226	.218	.187	.034	.068	.234	.214	.107	.008	.054	.114	.174	.048	5.700
	Mean temperature	82	81	84	86	82	80	81	82	82	85	88	86	84	86	86	80	78	72	72	74	72	76	79	70	67	62	64	69	73	72	72	77.7
	Wind movement ..	22	6	16	39	32	25	31	17	15	15	40	26	17	19	20	18	14	38	26	20	15	20	12	42	27	48	32	30	17	29	32	751

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

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were made during the month for fall pasture. In southeastern counties the dry weather adversely affected cotton, but the crop as a rule, was reported as good with picking beginning the last week. A good crop of melons and peaches was marketed during the month. Warm and dry weather was needed for late corn to mature before frost in northern and southwestern areas at the close of August.—M. R. W.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 75.9°, or 0.7° cooler than the 57-year August average. The highest monthly mean was 80.2° at Doniphan, and the lowest was 71.6° at Maryville. The highest temperature reported was 107° at Union on the 15th, and the lowest was 41° at Edgerton on the 26th.

PRECIPITATION

The average for the State, 202 stations reporting, was 6.09 inches, or 2.24 inches more than the 57-year August average. The greatest monthly amount was 14.56 inches at Amity, and the least was 1.23 inches near Alton. The greatest amount reported in 24 hours was 7.60 inches, at Lakeside, on the 1st-2d. The average number of days with 0.01 inch, or more, was 10.

MISCELLANEOUS PHENOMENA

Floods.—In Grand River, 26-30th. In Osage River, 27-30th. In Missouri River, at Hermann and below, 30th and continued into September. In Mississippi River, at Louisiana, flood stage or higher occurred on the 4th, 7th, 9th, 17-24th, 26th and 30th.

Fogs.—Heavy, 1st, 6th, 20th, 21st, 22d, 23d, 24th, 25th, 26th, 28th, 31st.

Hail.—Light, on 2d at Lockwood; 4th at Amity and Lawson; 5th at Sedalia; 14th at Jackson and Maryville; 15th at Lawson. Moderate, on 4th near Lawson with damage to corn estimated at 10 to 50 percent of the crop.

Windstorms.—1st, 4th, 14th, 15th, 17th. (See special windstorm notes).

WINDSTORMS

Windstorms of a more or less local nature and resulting in relatively minor damage were reported from the following places: On the 1st at Mountain Grove, with damage to trees and some

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Daily Precipitation for August 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand	1.00			.75										.28	.28	.92	.60			1.40	.06				.75	1.30	.09			.07		7.50
Amity[2]	....do	1.33	.15			2.83						.19	.37		1.03	.11	2.11	1.11		T.		2.15					2.28	.77	.01		.05	.07	14.56
Auxvasse	Missouri	.71				.67							.10					T.				3.59		.02		.55	.27	.07			.69		6.67
Bethany	Grand	.98				1.24						.68			.32		.28	1.28			1.00					.71	2.59	.12			.28		9.48
Bowling Green[2]	Mississippi		.79			.23								.35		*	1.83	.59				*	1.37				.81	.35				.62	6.94
Brookfield[2]	Grand	.65				.36							.35				.19	.92				1.15					2.00	.65					6.27
Browning	3 mi. NE	.47			.65	.05						.14	.10		.13		.08	.21			.30	2.05	T.			.55	1.42	.15		T.	.20		6.50
Brunswick[2]	....do		1.07			.53							.65			.28	.06	.32				.45	.58	.02		T.	2.10	.22		T.	T.	.30	6.58
Canton, Lock No. 20[2]	Mississippi					.23												.78				.81	.99				1.70	.46	.03			.69	5.69
Centralia[2]	....do		.74			.31							.19	.06				.51				.53	.90				2.44	.23				.36	6.27
Chillicothe[2]	(A)	T.	.13			2.21							.18		T.	.25	.21	.79				1.34				T.	1.68	.71			T.	.06	7.56
Chillicothe[2]	(B)		.10			2.85							.14		T.	.35	.18	1.40				.75	T.	T.		T.	1.63	.84			T.	.09	8.33
Clifton Hill	Chariton	.40											.28		.08		.11	.93			.18	1.17		.02		.35	2.28	.12			.26		6.13
Columbia [1, 5]	Missouri	1.23	.77		.26	.08							.06		T.		T.	.07			.19	2.91	.02	T.		1.15	.68	.04			.93		8.39
Columbia [2] (9 mi. W.)	....do		.77			.72								.19				.13				.96	.30	.10			1.42	.25				.30	5.14
Conception	....do	1.55			.50	.05									.60	T.	1.19	.78			1.30	.16				.84	1.27	.18			*	.20	8.62
Edgerton	....do	1.23				3.52						.10	.41		.10		1.61	1.30			1.02					.81	*	1.14			.23		11.47
Edina[2]	Mississippi		.62			2.52											.08	.28				.45	.02				1.38	.50				.22	6.07
Elsberry	....do				.10								.23					.20				.64				*	1.15				*	.85	3.17
Elsberry S.C.S.[2]	....do					.09							.21			T		.34				.13	.53				.52	.84				.93	3.59
Farber[2]	....do		.02			.81							.65		.10	.30		.19	T.			.60	1.84	.04			.97		.05			.82	6.39
Fayette	Missouri	.92				.45							.20		.81		.06	.46			.14	.47	.01			.40	1.80	.07			.27		6.06
Fulton[2]	....do		1.37			.39							.12					.00				1.47	1.07	.03			1.55	.15	.01		*	.42	6.64
Gallatin[2]	Grand		.88			1.10						.08	1.92		.05	.44	.20	.94				2.45				T.	1.10	.60	.14			.06	9.96
Grant City	....do	1.21			1.29	.02									.14		.98	T.			1.06					1.36	1.80	.14			.14		8.14
Hannibal[1]	(A)				.22	.04							.25				.05	1.06				.58				.65	.91	.13			.71		4.60
Hannibal[2]	(B)					.21							T.	.35				1.12				.22	.44				1.10	.35	T			.92	4.71
Hermann[2]	Missouri		.28			.05										.05						.23	.94	.03			.57	.55				.83	3.53
Kahoka[2]	Mississippi		.05			1.06							.06				.16	.78				.07					1.80	.90	.08	.16	.24		5.36
Kansas City Airport[1, 5]	Missouri	.03			1.38	.49							T.		T.	.55	1.10	.28	.21		1.48	T.	.03			1.40	.75	T.	T.		.27		7.97
Kansas City University	....do				1.20	.30									.50	1.05	T.	.15			1.50		.04			1.25	.70				.26	T.	6.95
Kidder[2]	Grand	.10	.46			1.01						T	1.84		.33	.18	.55	.92				.40					1.75	.74			.09	.15	8.52
King City	Missouri	1.38			.02	1.38						T.			.71		2.00	.82			.44	.40				.90	1.10	.42		T.			9.57
Kirksville	Mississippi	.59			.42	.61						.04	T.		T.			.05			.10	.30				.16	2.39	.34			.09	.04	5.13
Knoxville[3]	Missouri	1.46			1.32	.01						T.	.67		.72	.53	2.05	.18			.75	.17	T.			1.11	.96	.05			.07		10.05
LaBelle[2]	Mississippi	T.				1.12												.19				.63	.51				1.53	.30	T.			.20	4.48
Lawson	Missouri	1.80			3.05	.43							.22		.26		.93	2.15			.76	.12				1.13	1.22	.15			.15		12.37
Linneus[2]	Grand		1.60			.80							.40			.10	.02	.50				*	2.10				*	2.50			*	.02	8.04
Louisiana[2]	(A)					.12									.55		.07	.96				.19	.79				.75	.34				.53	4.30
Louisiana[2]	(B)					.12									.63		.02	.43	.91			.17	.72				.85	.44				.58	4.87
Lucerne[2]	Grand	*	.35			1.40							1.86			*	.48					.48					2.53	.54	T.			.13	7.77
Macon[2]	Chariton		.80			.40							.36					.25				1.92	.42	.02			1.90	.40	.01			.18	6.66
Madison[2]	Mississippi		.89			1.55							.22	.04				.68				.99	.96	.01			1.80	.26	.01		.07	.18	7.66
Martinsburg[2]	Missouri		.22			.34							.17	.01		T.		.05				3.10	2.22				.99	.04			T.	.45	7.59
Maryville	....do	1.26				.29									1.29	T.	1.93	.84			1.10	.05			.65	1.32	1.35	.10			.30		9.88
Memphis[2]	Mississippi		.11			1.80						T.	.15								*	.12					1.09	.52	.02			.16	4.00
Mexico[2]	....do		.46			.42	.03						.22	.08				.14				1.45	1.80	.02			1.63	.68	.04			.80	7.77
Milan[2]	Grand		.65			.80						.31	.16			.28		.10				1.02					2.70	.68			.08	.24	7.02
Moberly[2]	Mississippi		.60			.72							.44			.04		.44				.43	.78	.02			2.20	.24				.37	6.28
Monroe City	....do		.07			.35							.27		.01			1.15				3.79		.03		.14	1.39	.13			.38		7.74
New Florence[3, 5]	1 mi. SE		.13			.19	.01						T.		T.			T.			T.	1.86	T.			.29	.29	T.			.60		3.37
Oregon	....do		.75			.03	.40						T.		1.96	.15	.98	.48			1.45		.03			1.75	.70				.30		8.98
Palmyra	Mississippi		.12				.44						.08			.55	.12	1.08				1.65				*	1.27	.22			.34		5.87
Paris[2]	....do		.90				.40						.50	.12				.55				1.01	1.13	.02			1.57	.25	T.			.38	6.86
Perry	....do	.05					.47						.51					.51				1.72				.05	1.00	.70	.06				5.07
Philadelphia[2]	....do																																
St. Charles[2]	Missouri														.10							.08	1.42				.26	.50				.85	3.21
St. Charles[2]	(B)													.06			.04	.03	T.			.53	1.26				.26	.61				.97	3.76
St. Joseph[1, 5]	....do	.63			4.05							.02	.05	.10	.15	1.84	.80	.12			.52		.03			1.67	1.27	.01			.28		11.54
Saverton, Lock No. 22[2]	Mississippi		.35			.11							*	.19				.64				.25	.39	T.			.94	.38	.01			.63		3.89
Shelbina	....do	1.10			*	2.50							T.		T.			.38			.04	2.49				.18	1.74	.12			.24		8.79
Shelbyville[2]	....do		.60			3.39							.23					.85				3.36					1.60	.36				.24	10.63
Steffenville	....do	.16			.67	.95							.25					.84			.01	1.07				.18	1.59	.19			.16		5.57
Tarkio[3]	Missouri	.78			.02									.70	.02	.20	.12				1.03	.03	T.			1.71	.22	T.		T.	.48		5.31
Trenton[2]	Grand		.64			1.14							.60		T.	.19	.21	.30				2.89		T.			1.63	.65	T.		.11	.17	8.56
Troy[2]	Mississippi		1.11			.15								T.		.35	.20	.28			.20	1.10					.20	.80				.85	4.29
Unionville[2]	Chariton		.14			.77					.03	.36	.92			.01	.12					.25					2.46	.65				.17	5.88
Warrenton	Mississippi	.13				.43							.03			.04		.06				1.48				.04	1.01	.04			*	.71	3.97
Keokuk, Iowa[1]	....do	T.			.47						.01					.04	.13	.24			T.	.64				.15	2.58	.07	T.		.45		4.78
Southwestern Division																																	
Altona[2]	Osage					2.00											1.20	.24				2.25	.45	.55		.45	3.20				*	.30	10.64
Anderson[2]	1½ mi. SW					1.84								.90			T.	*	.51				1.27		.11		.24	.72				.42	6.01
Appleton City	Osage					1.20											.60	.03			.10	1.35		.68		*	3.45			.40		7.81
Ava Ranger Station[2]	White				1.15									.35		.11								.60			1.08		.50	.91		.89	5.59
Bakersfield[2]	....do																																
Bolivar	Osage		.46			.36			.27				T.	1.45	.08		.85	.05				3.80		.28	.09	1.32	2.35		T.		.30		11.66
Boonville[2]	(A)		1.72			.43							T.				.16	.29				.57	.15				2.10	.15				.50	6.07
Boonville[2]	(B)		1.68			.53							T.	.01		.06	.07	.27				.50	.48				2.28	.25				.41	6.54
Buffalo[2]	Osage		.75			.81								2.32		.03	.17	.04				2.70	.52	.82	1.69	.20	3.04	.10				.72	13.94
Butler[2]	....do					2.20	.07										.86	.25			.92		.10	.05	.61	3.98	.03			.13	.35	9.58
Caplinger Mills[2]	....do		1.36			1.79								.19			.86	.10				3.10	1.02	.22	1.32	1.03	1.59	.05			.20	.68	13.51
Carthage	Neosho					.35	.15		.24					.03			.08	.50				.36		.25	.55	1.25	1.95				.70		6.41
Clinton[2]	Osage	T.	T.		.62	.42							.40		.65		.27	.03			.85	1.02	.20	.01		1.99	1.14	T.			.40		8.00
Concordia	Missouri	.48				2.46							T.		.52		.26	1.17				.52				*	2 12	.16	T.		.27		7.96
Crocker	Osage	1.20				.29							.26				.10	T				1.21		.45		1.67	.58	T.		T.	1.65	1.93	9.34
Eldon[2]	Missouri		1.28	1.72		.83									.21			.64				1.00	.10	.12			1.53	.73	.13					8.29
Eldorado Springs	Osage					2.13			T.						.71		.44	.03			.09	1.37	T.	1.18	.21	2.32	1.02		T.		.65		13.15
Elijah	White				.71	.26				.09					1.67			.05					.45	.05	.25	*	.47	.63			1.03		5.66
Fort Leonard Wood[2]	Gasconade		2.95		.72		.20													.10		1.12	.32	.41			1.70	.75			.38	.64	9.29
Galena[2]	White		1.97			.94			.07	.04					1.67					.02			.20	.22			.93	1.39					7.64
Granby[2]	....do					.39		T.	T.	.18	.60				.33		.04	.46	.05				.32		.25	.33	.82				.03	.44	4.24
Hailey	....do		1.49					*	.23						.47								1.10			.60	1.07				1.98		6.94
Harrisonville[2]	Osage					2.10									.05		1.04	.94				1.21	.05		.01	.40	2.29				.12	.11	8.52
Jefferson City[2]	Missouri		1.33			.20												.01				1.21	.51	.26			1.65	.09					.60	5.86
Joplin[1]	Neosho					.48	.12	T.					.02	.04		T.	.06	.82				.36		.05	.38	.77	1.86				1.27		6.23
Lakeside[2, 5]	Osage	5.10	2.50			1.33							.03	.05		T	.09	.01	T.			1.12	.03	.44		.03	2.21	.18	T.		1.03		14.15
Lamar[3]	Neosho					.48			.08		.25						.40	.25				2.00	.40		.70	.40	*	4.15			.40	1.05	10.56
Lebanon[2]	Osage		1.82	.03		.28								1.39						.08		1.74	.32	1.39	.11	T.	2.59	.25	T		.07	.28	10.35
Lexington[2]	Missouri		1.20			3.27							.27		.07	.13	.63	.97				1.35	.04	.04			2.34	.33				.27	10.91
Lockwood	Osage		1.05			.41	T.	T.	T.				T.	T.			.63	.17				.93		.50	.20	.81	2.99				.49		8.18
Macomb[2]	White		.14	1.90		*	.03							.82		.95		.03					.77	.05		.55	1.57				.75	1.14	8.70
Marshall	Missouri	1.81				1.16							.13		T.		.16	1.05				1.91	.09			2.75	T.				.23		9.29
Marshfield[2]	White	1.67				.38							T.	1.05			.27	.30				.08		.74	.07		1.49	.30				.03	.45	6.83
Mountain Grove	....do	2.20	1.60			.10							.02	.32	.02		.07	.03					.37	.08	1.00	.40	.78				1.23	.02	8.24
Mount Vernon[2]	Neosho					.17		.23	1.49					1.14			.07	*	.45			.13	.10	.45	.35	.55	*	1.00			.32		6.45
Neosho	....do					.73					T.			.71				.54				.47		.08	.30	14	1.80				.37		5.14
Novada	Osage	T.				1.25	.10	T.						.56			.72	.12				3.60	T.	1.77	.27	2.22	1.47				1.14		13.22

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Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division—Concluded																																	
Osceola[2]	Osage					.38				.34				.40			.28					2.20	.05	.02		*	3.80				.02	.25	7.44
Ozark Beach[2]	White		1.70			1.12								.40		.63		.09						.11	.23	.05	.55	.66			.41		5.95
Pierce City[2]	Neosho					.15		.08	.36				1.03				13	.71				.28	.16	.28	.52	.35	.90			.40		5.35
Pleasant Hill[2]	Osage		.06	.15		1.79								.10	.05		.69	.49				1.77	.06	.11		.30	3.19	.06		T.	.06	.01	8.89
Roby	Gasconade		1.05	1.80									1.03	.80			T.	.02				.05		.32	.05	1.15	.84	T.			1.32	T.	8.43
St. Thomas[2]	2¾ mi. SW Osage			2.11		.10												.15				.85		.14			2.25	.32			.16	T.	6.08
Sedalia	Missouri		.47	.39		2.58								.07		.03		.24															
Seligman	Neosho					.34			.10						1.08		.18	.18				T.		T	.32	1.15	1.28				.76		9.95
Seymour	¾ mi. NE White			.68		.06								.97			.10	.05						.73		1.02	.63	.50			.62		5.12
Shell Knob[2]	3 mi. SE do																																5.16
Siloam Sprgs Lookout[4]	do		1.00	.35	.20		.25							.48		.30												.46				1.00	4.49
Springfield[1, 5]	¼ mi. E do		1.16	.01		.10	.18		T.	.17				.35	.04	T.		.52	.22			.14	T.	T.	.07	.10	1.09	1.01	T.			1.19		6.65
Stover[2]	Missouri			.30			2.41							.47			.10	.12				1.31		.53			2.13	.23				.30	7.93
Sweet Springs	do		.74				3.87							.07		.20		.19	.92		.23	.60	T.	.09		.85	1.78	.23	.02		.27	.46	10.52
Tecumseh[2]	¼ mi. W White				.61	.12																		.25	.33			.12			1.30	.80	3.53
Topaz[2]	do			2.95	*	.31	.11							.80	.10			.20						.25			1.20				.45	.65	7.02
Vanzant[2]	3¾ mi. SE do			2.38	.50		.29							.42		.33		.19							.25		1.16	.55			.90	.32	7.29
Warrensburg	Missouri		.69				2.42							T.		T.		.35	.61			.91	.52	T.	.13		.88	1.48			.38		8.37
Warsaw[2]	(A) Osage			.16			1.20							.10	.30		.21		.08			1.75	.30	.05		.12	3.00	.25				.50	8.02
Warsaw[2]	(B) do			.20			1.36							.15	.28		.02	.18	.02			*	*	*	2.16		*	*	3.18			.43	7.98
Wasola	White			1.39			.06									1.05			T.					.36	.11	.74	1.38				.95		6.04
Waverly[2]	Missouri			1.10			2.95							.30	.02			.64	.73				.35	.10	.02			2.50	.17	T.		.05	.10	9.03
Wilderness Lookout[4]	White			1.38						.49				.51														1.82	.10			.38	4.68
Southeastern Division																																	
Advance[3]	¼ mile W St. Francis			T										T.			.10	T.	.66	.04			.12		.07		.01	.16	.43			.99		2.58
Alton	10 miles SE Black			.07																			.40		.16			.14	.08			.20	.18	1.23
Annapolis (1)	St. Francis																									1.10	1.00					*	1.07	3.17
Annapolis[2] (2)	7 mi. W Black													.03	T		T.		.06				T.	.28	.20			.96	.44			.25	.40	2.62
Arcadia[2]	St. Francis													T	.19				.30				T.		T.	.23		.22	.60			.05	1.01	2.60
Banner[2]	Black													.26	.53		.04	.19				.08	.06	.04			.10	.48			.24	.37	2.79
Belleview	Meramec													3.15					.10				.20	.20			T.	.30	.15			.30	T.	4.40
Bernie[2]	St. Francis														.05				T.					.26		.59			.65		T.		1.00	2.55
Birch Tree	½ mile E Black		.21	.35										.08	.31			.03					T.		.14		.72	.47	.05			.73		3.12
Black	9 miles NW do			.15	.30									.58					T.				.13		.03		.06	.68	.10			.64	.24	2.91
Bunker[2]	4 miles NW do			.15											.10				.93						.27			.61	.41				.80	3.27
Campbell	St. Francis			T.		T.							T.			.70		.18				.62	.58	.03			.22			T.	.09	.88	3.30
Cape Girardeau[2]	Mississippi															.07		.56	T.				T.				.10	1.24				3.91	5.88
Carnthersville[2]	do														T.								.47						.35		T.	.45	1.27
Centerville[2]	Black			.21										.55	.14				.17				.05		.40			.50	.54			.19	.40	3.15
Cook Station[2]	Meramec			.86		.11								.40			.40						*	1.40	T.			1.09	7					4.26
Crane Mountain[2]	St. Francis														.12		.03	.10				.05	.09	.40			*	.50			.35	.36	2.00
Crystal City	Mississippi		T.										1.60				.01	.21				.20	.65	.01		*	.46	.09			.42	.58	4.23
Cuba	Meramec		.40										.52			.62		T.			.60		.02	.45		*	.81		.10		1.01	.15	4.68
Deering[2]	St. Francis																						.83					.33			.09	.29	1.54
De Soto[2]	Mississippi													3.99		.11		T.	T			.09	.12	.06			.10	.36			.09	1.01	5.93
Dexter[2]	St. Francis																	.21	.25				.38		.48		.03	.24				1.55	3.14
Doniphan	Black		.13															.12				*	.28				.09	.15		.05	1.03	.65	2.50
East End[2]	Meramec																	.20			*	.20					.22	.30			.42		1.34
Ellington[2]	Black																																
Ellsinore Lookout[2]	do														.40		1.61	.80						.20	*	.32		.42				.28	4.03
Farmington	St. Francis												.22				.46	.04				.44		.70		T.	.83	.05			.44	.23	3.41
Fisk[2]	do																.11	.09					.61		.81	T.		.21			T.	.57	2.40
Fredericktown[2]	do													T.				.20						T.	.10		.30	.97	.08		.09	.36	2.10
Gerald[2]	Meramec			.33		.55												.30				.33	.10	.09			.73	.33			.11	1.97	4.84
Greenville[2]	St. Francis			.28										1.28				.53					.87				.14	.11			.18	.43	3.82
High Lookout[2]	Black			.55									.02	.45				1.40				.05	.35	.05		.38	1.45			.26	.58	5.54
Jackson	Mississippi												.04		.88		.39	.17				.19		.02			.25	.69			.23	1.37	4.23
Jefferson Barracks[2]	Mississippi													.10			.12		.03			*	.94				.25	.58				1.33	3.35
Jerome[2]	Gasconade			1.10														.32				1.22	.12				.77	.42			.17	.56	4.68
Koshkonong	Black		.03				.37																1.11	.36	.16		.70				.45		3.18
Leeper[2]	do			.02													.03	.17	1.80				.42	.57	.10		.15	.41			.17	.34	4.18
Licking	4 miles N Gasconade		.15	.27										1.32				.19				.27		.37		.83	.50	.20			.77	T.	4.87
Macedonia Lookout[2]	Black																	.30					.80							.15	*	.46	1.71
Malden[3]	4 miles NNW Mississippi										T.					T.	T.	.09				.28		.30		T.	.48	T.		T.	1.12	.04	2.31
Marble Hill	do												T.		.25		.59	.13				.48		.43			.38				.19	.95	3.40
Meramec Park[2]	Meramec			.56												.16	.03	.16	T.			.14	.28				.16	.77	T.		.02	.58	2.86
Morehouse	Mississippi																	.95				.92	.07	.06			.09				.02	1.24	3.35
Moselle[2]	Meramec			.10																		*	.57					.67	.11		.37		1.82
New Madrid[2]	Mississippi																	.05	.08				.80		.05		.12	1.00		.06	T.	.40	2.56
Owensville[2]	Gasconade			1.07			.02											.03	T.			.26	.09	.09			.50	.63	.06		*	1.09	3.84
Pacific[2]	Meramec			.20														.04				*	1.31				.20	.77				1.20	§3.72
Parma[2]	St. Francis																						.45		.08			.19				.64	1.36
Perryville	Mississippi					.10												.48					.30		.20		.31	.38	.20		.21			2.18
Pilot Knob[2]	2 mi. NE St. Francis													.03				.06				.05	.12				.18	.52			.28	.20	1.44
Poplar Bluff[2]	(A) Black													.06			.17	.18					1.37				.25	.31			T.	.85	3.19
Poplar Bluff[3]	(B) do													.06			.07	.18					1.04		.09	T.	.11	.32		T.	T.	.83	2.70
Puxico[2]	St. Francis																	1.70					.11		.30		.23	.30			.06	1.00	3.70
Qulin[2]	do																						.48		.06			.51			.17	.66	2.73
Reynolds[2]	Black			.47										.40				.85						.53			.47	.55			.40	.47	3.58
Richwoods[2]	Meramec																	.29															
Rolla[2]	do			1.35		T.								.39			.02		.10			.21	.10	.53			.19	.33			.59	.33	2.30
Round Spring[2]	Black			.66										.32				.05				.75		T			1.35	.40	T.		.36	1.61	6.19
St. Louis City Office[1, 5]	Mississippi		T.											1.38									.44				.90	.80		.40		.45	5.03
Airport[3, 5]	Missouri					.30	T.						.05			.02	T.	.01				.56	.01			.03	.60	.15			1.03		2.46
St. Louis Univ.[1, 5]	Mississippi		T.										.04			.02	T.	T.			T.	2.07	.01			.01	.57	.01			.22		3.25
Washington Univ.[2]	do												.14			.01	T.	.01				.54	T.			.03	.58	.08			.52		1.91
Salem[2]	Meramec			.52										.22								.43	.65				.36	.70				.46	2.82
Sikeston[2]	Mississippi													.57								.43	.23	.82			.68	.46			.20	.60	4.51
Steelville[2]	Meramec			.01									.30			.10						*	.60	.50			.40	.30			.50	.20	2.91
Summersville	Black		.78	.61									.45	.70			.21		.18			.13		.28		.03	1.53	.83			1.02	.04	6.79
Union	Meramec		.25															.48				.77	.23				.50	.15			*	.90	3.28
Valley Park[2]	do			T.										T.			2.82	T.				.43	.97				.35	.95	T.			.28	5.80
Van Buren	Black															.40	.20					.17		.27		.18	.48				.48	.15	2.33
Vichy[3]	2 miles NW Meramec		.73			T.							T.				.04	.01			T.	.66		T.		.99	.78	.02			.91		4.14
Wappapello Dam[2]	St. Francis													.02			T.	3.02					.22	.28	.14		.17	.20	T.	T.	.04	1.05	5.14
Weingarten	Mississippi												.75				.75					.70					.56	.10			.25	.30	3.41
West Plains[3]	Black		.08	.17			.11		T.				.06	T.	T.		T	.03					.01	.59	T.	.39	.57	T.			.70		2.71
Williamsville[2]	do													.78		.04	.28	1.04					.22	.01	.69		.01	.41	.03		.12	.50	4.13
Willow Springs[2]	500 ft E. White			.53	T.		.11							1.30		T.		.09						.40	.40		1.21	1.12			.50	.35	6.01
Winona Ranger Sta.[2]	Black			.34										.21	.15			.13						.54	T.		.41	1.64		T.	.18	.50	4.10
Zalma[2]	3½ miles S. Mississippi			.41														.66	.12				.07		.01		.25	.18			.07	.92	2.69
Cairo, Ill.[1, 5]	do															T.	2.58	.08				.81	.02	.11		T.	.24	.10			.42	.04	4.40

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for August 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick/	Maximum...	79	90	93	93	88	89	92	94	96	98	93	92	94	87	96	90	81	85	87	82	79	84	82	82	66	62	64	77	80	72	76	84.6
	Minimum ...	65	69	69	72	68	67	67	67	68	70	73	69	68	68	71	70	67	58	58	59	63	65	65	65	61	57	58	56	55	64	57	64.8
Chillicothe/	Maximum...	85	88	95	85	89	88	89	93	95	97	91	92	92	87	94	89	89	82	84	72	81	82	81	77	64	60	63	79	79	72	77	83.6
	Minimum ...	63	67	66	72	65	65	65	66	69	69	75	68	68	69	70	68	65	57	56	57	63	65	64	61	59	56	57	53	53	52	55	63.2
Columbia	Maximum...	80	89	93	92	87	89	88	93	94	95	92	92	91	90	97	89	82	84	86	88	78	80	85	80	66	64	64	77	82	73	78	84.5
	Minimum ...	69	69	73	69	69	67	70	69	72	73	74	70	70	72	73	71	63	59	61	62	66	64	66	63	58	58	60	55	62	62	57	66.0
Fayette	Maximum...	85	89	92	91	87	89	89	91	92	96	92	92	90	89	94	91	81	84	83	84	78	80	84	82	71	63	63	76	81	79	77	81.4
	Minimum ...	68	69	71	72	67	65	65	65	68	68	72	68	67	67	70	68	66	57	56	56	68	61	64	62	57	57	59	54	60	65	55	64.1
Grant City	Maximum...	85	89	94	87	87	85	87	91	94	95	94	90	95	90	92	86	80	80	82	75	81	79	78	77	68	58	61	78	75	73	75	82.6
	Minimum ...	58	67	73	65	64	62	66	66	70	75	76	62	67	69	72	67	62	53	60	63	64	63	60	58	55	54	55	48	59	65	50	62.8
Hannibal	Maximum...	85	94	97	95	90	89	90	93	97	100	96	90	94	95	98	91	81	81	82	86	75	83	82	77	67	59	64	77	83	74	76	85.2
	Minimum ...	67	67	70	67	66	65	65	64	65	70	73	65	66	68	72	69	63	57	56	59	62	64	66	56	55	51	56	57	59	64	55	63.2
Kansas City Airport.	Maximum...	88	94	101	101	87	86	89	93	98	100	97	96	96	93	96	91	79	83	85	74	80	78	80	77	69	67	65	78	80	73	78	85.5
	Minimum ...	68	70	78	66	68	71	71	72	78	79	80	73	72	70	68	68	66	60	66	62	69	65	68	66	61	60	58	54	65	62	58	67.5
Kirksville	Maximum...	91	91	95	93	89	90	89	92	96	100	95	93	96	93	99	95	93	85	87	83	80	84	83	79	74	59	63	81	81	77	77	86.5
	Minimum ...	68	65	70	68	65	64	65	64	66	72	74	69	69	70	72	69	67	55	59	61	64	65	66	57	57	53	57	57	62	65	53	64.1
Lawson	Maximum...	86	91	95	93	88	87	88	92	95	95	92	90	93	89	94	90	80	81	85	72	82	78	80	79	68	62	64	75	80	72	76	83.6
	Minimum ...	65	66	72	66	66	64	65	66	70	74	74	64	66	67	73	66	63	53	58	63	66	64	66	61	57	57	56	50	60	63	54	63.7
Louisiana/	Maximum...	88	94	97	95	93	91	91	93	97	100	98	90	96	96	96	89	80	81	82	86	73	83	83	76	69	63	65	76	84	76	77	85.7
	Minimum ...	60	64	61	68	70	62	63	61	60	59	69	74	65	66	67	72	67	58	54	53	64	66	66	59	54	55	56	59	59	59	59	62.2
Macon/	Maximum...	76	90	94	87	90	90	90	94	95	98	93	92	93	89	97	92	83	86	86	84	79	86	84	76	65	61	63	78	81	73	76	84.5
	Minimum ...	61	66	68	71	65	65	65	63	65	65	74	67	67	68	70	68	66	56	55	57	61	64	63	58	55	54	55	56	58	62	55	62.7
Maryville	Maximum...	85	85	91	88	86	84	86	89	94	97	94	90	86	86	90	84	81	78	80	75	77	76	76	73	69	57	60	75	74	71	73	81.0
	Minimum ...	63	65	71	70	65	64	64	66	71	72	76	65	64	66	70	64	60	55	59	62	62	63	62	58	54	53	52	47	57	60	49	62.2
Mexico /	Maximum...	83	94	99	97	90	93	91	96	100	102	99	94	97	99	101	95	85	88	90	94	74	81	85	80	67	62	65	81	87	77	80	87.9
	Minimum ...	69	68	70	74	68	67	66	66	67	70	73	65	68	68	70	71	67	58	58	59	61	64	65	60	58	58	58	59	58	55	57	64.4
Moberly /	Maximum...	77	88	94	90	87	87	87	91	94	96	93	89	90	90	96	90	81	82	84	85	77	82	83	76	66	61	63	77	81	71	76	83.4
	Minimum ...	70	67	71	75	67	65	66	66	67	72	75	68	68	69	73	69	67	57	58	60	65	62	64	61	57	55	57	56	58	66	56	64.7
Oregon	Maximum...	91	90	95	94	90	88	90	91	97	101	100	91	95	92	93	90	85	81	84	77	80	80	81	78	71	61	63	78	77	74	76	85.0
	Minimum ...	65	67	73	75	66	64	65	69	73	79	77	65	69	66	75	66	60	57	60	61	64	63	64	60	58	56	54	50	60	62	53	64.4
St. Charles/	Maximum...	96	99	97	95	94	96	91	96	100	100	100	96	97	98	91	91	83	86	87	90	75	82	87	80	71	67	68	81	88	78	83	88.5
	Minimum ...	73	71	71	71	71	69	68	68	66	71	75	77	71	73	70	70	70	60	59	56	66	68	68	61	58	58	58	61	61	65	61	66.6
St. Joseph	Maximum...	90	91	96	93	87	87	87	92	96	98	93	90	93	92	91	88	79	81	84	73	81	79	81	80	67	63	62	78	77	74	76	83.8
	Minimum ...	66	68	75	67	67	67	69	72	75	77	78	67	71	68	67	66	63	57	63	63	68	67	66	63	59	57	55	50	63	60	56	65.5
Trenton	Maximum...	88	93	93	90	90	89	88	91	94	95	94	90	91	87	93	89	84	83	83	78	82	83	81	76	70	70	62	80	80	75	75	84.4
	Minimum ...	68	68	72	75	67	65	65	65	65	72	73	66	65	70	72	68	65	55	57	64	63	64	64	61	59	55	57	53	60	65	55	64.3
Unionville/	Maximum...	87	92	100	92	93	92	91	96	99	102	90	94	96	90	95	93	87	90	90	81	90	90	90	87	83	62	64	82	83	75	77	88.2
	Minimum ...	62	64	64	65	62	61	61	63	63	64	62	63	62	65	68	65	63	54	53	54	62	61	61	56	54	51	50	55	54	59	50	59.7
Warrenton	Maximum...	88	96	97	97	93	91	92	94	96	102	101	95	99	100	102	93	91	85	87	92	83	81	89	82	70	62	66	81	87	80	83	88.9
	Minimum ...	68	66	69	71	67	63	64	61	62	65	71	70	64	68	71	70	68	55	55	54	65	67	63	58	55	55	58	58	57	63	57	63.2
Keokuk, Iowa.	Maximum...	83	93	96	86	89	87	87	90	96	99	93	92	94	95	97	92	80	81	82	85	80	83	81	76	74	57	64	78	80	74	75	84.5
	Minimum ...	68	69	74	72	67	66	66	65	69	76	79	72	69	75	71	69	65	60	59	63	66	65	64	59	57	54	56	59	62	63	57	65.7
Southwestern Division																																	
Clinton	Maximum...	85	98	102	101	88	90	87	94	99	99	96	99	91	91	96	90	82	84	86	87	82	78	83	75	68	71	64	76	83	72	78	86.3
	Minimum ...	73	71	71	68	66	67	67	68	70	70	72	71	66	68	73	68	65	56	58	59	68	64	68	65	58	60	60	54	52	60	60	64.8
Eldon/	Maximum...	79	87	91	94	86	87	88	92	92	93	91	92	90	87	93	89	80	82	85	87	81	79	82	77	64	67	63	76	83	73	70	83.2
	Minimum ...	63	68	69	70	68	69	67	67	66	69	69	71	67	67	68	67	66	58	56	55	57	65	66	65	60	58	58	53	54	60	59	63.7
Harrisonville/	Maximum...	88	95	100	99	87	88	84	92	95	96	93	92	94	92	98	88	81	80	85	76	79	77	81	73	65	70	64	74	81	70	77	84.3
	Minimum ...	68	69	73	75	66	66	69	69	71	72	73	71	66	66	75	67	65	56	57	63	64	65	67	64	60	58	56	49	51	63	53	64.7
Jefferson City/	Maximum...	84	88	93	94	89	90	89	93	94	94	93	93	93	89	95	91	84	85	87	91	81	82	87	79	65	65	64	78	83	75	81	85.5
	Minimum ...	66	67	69	73	68	69	67	66	67	70	72	73	67	69	70	72	67	58	57	57	59	66	67	62	58	57	58	54	54	63	57	64.5
Joplin	Maximum...	98	97	98	98	88	90	90	98	96	97	96	98	95	93	96	92	83	82	86	92	84	90	82	75	74	74	69	80	82	73	81	88.0
	Minimum ...	79	74	78	79	72	73	76	76	74	77	77	75	72	76	79	76	69	62	64	68	72	72	73	70	66	64	62	60	68	66	60	71.3
Lamar/	Maximum...	94	92	96	96	85	86	85	93	95	94	95	95	94	90	94	90	80	80	86	89	83	86	82	74	70	75	66	79	83	72	81	85.8
	Minimum ...	67	70	70	74	68	68	70	70	70	70	72	67	67	70	69	65	59	58	60	62	69	69	67	62	59	59	54	54	64	55	65.4	
Lebanon/	Maximum...	85	87	92	93	85	85	88	92	92	93	95	94	91	86	91	86	79	84	83	89	82	83	84	74	65	79	62	74	81	73	78	84.0
	Minimum ...	64	67	70	71	67	66	65	66	66	66	70	71	65	66	68	70	65	55	53	54	60	66	66	66	61	57	58	50	52	63	55	63.2
Lexington/	Maximum...	87	95	98	98	87	91	92	95	97	98	92	94	95	88	95	92	82	86	87	78	81	79	82	82	64	65	64	77	83	71	79	85.6
	Minimum ...	66	67	72	75	67	68	68	69	71	74	74	67	67	68	69	68	66	59	60	61	64	67	68	64	63	59	59	54	54	65	56	65.5
Marshall	Maximum...	91	88	92	92	92	89	86	90	93	96	95	91	90	89	95	93	89	80	85	87	83	86	87	84	82	..	..	74	80	80	76	[b]87.4
	Minimum ...	68	69	72	75	72	62	79	71	72	74	77	70	70	74	75	70	67	60	61	61	62	64	66	63	57	..	..	53	62	60	56	[b]67.2
Mountain Grove	Maximum...	88	82	89	89	88	87	88	89	90	90	91	90	91	86	90	89	82	82	81	86	85	90	88	80	75	78	76	79	79	77	80	85.0
	Minimum ...	62	68	69	69	67	68	65	69	69	68	68	72	65	68	67	70	66	55	60	59	69	64	66	66	57	58	58	52	62	62	57	64.4
Neosho	Maximum...	97	98	97	98	96	92	92	97	97	96	95	97	96	95	93	93	92	85	88	93	91	93	93	80	77	77	69	84	84	80	83	90.3
	Minimum ...	75	76	74	74	70	72	72	70	70	70	73	74	67	69	73	73	65	54	57	60	70	64	69	67	66	67	60	52	62	69	52	67.3
Nevada	Maximum...	99	98	102	102	95	92	88	97	98	99	99	99	96	93	98	92	89	86	90	88	87	86	83	78	73	72	66	80	84	79	81	89.3
	Minimum ...	77	72	74	74	69	71	70	71	71	72	73	75	66	72	73	69	67	59	59	64	69	68	69	68	59	64	60	52	64	64	54	67.4
Sedalia	Maximum...	90	91	94	96	94	87	87	94	94	98	95	93	93	90	96	92	87	83	85	85	79	79	82	79	76	66	66	76	81	79	78	86.0
	Minimum ...	66	68	71	76	65	66	68	69	71	73	74	73	65	70	74	70	64	55	59	62	67	63	67	64	58	58	59	51	61	66	56	65.5
Springfield ..½ mile E	Maximum...	90	87	90	91	86	87	87	89	90	93	92	92	89	83	90	86	79	81	81	89	84	88	86	75	67	80	62	78	78	70	79	83.1
	Minimum ...	68	69	72	68	66	67	69	71	70	70	69	68	66	69	69	69	60	56	59	60	68	65	67	65	60	61	55	52	62	61	54	64.7
Warrensburg	Maximum...	93	94	97	98	93	88	87	94	97	97	96	94	96	91	96	93	90	84	86	80	78	80	81	79	78	..	69	74	83	80	78	[a]87.5
	Minimum ...	68	70	73	76	66	69	68	69	71	73	75	72	66	70	74	68	67	58	62	61	68	64	66	64	58	..	58	52	62	65	56	[a]66.3
Southeastern Division																																	
Areadia/	Maximum...	92	95	96	96	98	97	96	98	100	97	101	95	97	98	99	95	85	88	90	95	85	90	96	86	80	74	70	81	86	80	84	91.0
	Minimum ...	66	68	65	69	69	67	64	62	60	60	70	71	67	66	71	72	71	59	49	49	49	66	68	62	53	53	59	54	49	59	59	62.0
Bireh Tree .. ½ mile E	Maximum...	..	..	..	91	91	90	92	95	97	93	96	92	92	90	94	89	84	86	86	92	89	93	90	85	74	80	74	81	82	75	81	[c]87.6
	Minimum ...	67	70	..	66	70	67	64	63	65	66	69	71	64	65	68	69	70	58	55	51	70	63	68	60	60	63	55	51	65	60	[a]64.0	
Caruthersville/	Maximum...	89	91	91	89	92	92	91	93	95	91	90	90	88	90	94	94	92	85	83	90	93	86	88	84	84	86	78	78	77	79	72	87.6
	Minimum ...	69	71	74	73	71	72	70	70	72	73	73	73	71	72	74	74	76	68	63	65	66	72	72	72	62	63	68	58	58	67	67	69.3
Crystal City	Maximum...	94	95	98	96	94	95	94	97	98	99	101	100	95	97	98	96	86	85	92	86	87	91	86	78	70	71	81	88	86	83	90.4	
	Minimum ...	69	68	68	70	70	66	64	63	62	65	70	70	70	72	71	73	71	60	52	52	67	68	70	63	70	58	61	57	57	68	60	65.3
Doniphan	Maximum...	95	95	99	96	99	98	98	98	101	98	100	97	99	101	101	102	93	92	89	95	98	91	94	92	89	87	80	88	90	82	84	94.2
	Minimum ...	66	73	67	70	70	65	69	67	64	68	70	71	71	78	68	72	71	59	54	52	63	68	71	70	60	67	66	50	64	65	63	66.2
Farmington	Maximum...	93	96	96	96	94	95	95	96	100	97	101	94	99	99	99	95	82	82	87	93	83	85	88	77	79	66	71	78	87	78	83	89.2
	Minimum ...	68	70	67	70	70	69	67	64	63	70	72	68	68	72	75	72	70	60	52	52	66	67	68	62	54	57	62	55	58	63	60	64.9
Jackson	Maximum...	93	97	97	97	97	97	97	97	101	101	96	97	97	96	95	94	86	85	87	93	92	88	91	89	82	77	78	79	85	85	80	91.2
	Minimum ...	69	72	71	70	74	69	70	66	65	72	72	74	71	67	73	74	70	62	58	51	65	69	68	63	55	60	54	56	61	66	65	66.2
Poplar Bluff	Maximum...	94	95	96	95	97	98	97	98	101	94	99	96	97	99	98	95	89	86	88	95	89	89	91	82	92	81	78	84	86	80	82	91.6
	Minimum ...	68	74	68	72	71	71	68	68	65	70	72	72	69	72	73	73	71	62	56	53	64	68	70	68	59	62	65	54	65	66	65	66.9
Rolla/	Maximum...	86	89	93	94	88	88	91	95	97	96	97	95	95	93	96	89	83	84	88	92	82	84	87	78	72	68	65	76	83	75	81	86.5
	Minimum ...	72	67	69	72	68	70	68	68	69	70	71	74	70	71	71	72	67	59	56	57	67	67	68	63	57	58	60	53	61	64	59	65.7
St. Louis	Maximum...	90	94	96	95	90	90	90	93	96	97	98	90	95	94	96	89	80	84	82	90	79	82	86	79	73	62	67	76	86	77	81	86.3
	Minimum ...	76	74	77	75	73	75	70	73	74	76	78	72	76	76	73	76	71	65	65	65	69	70	69	62	62	58	62	62	65	64	63	69.9
Salem/	Maximum...	90	89	93	94	91	90	93	95	98	97	100	98	95	92	96	89	82	86	89	92	93	86	88	81	72	72	67	78	89	75	82	88.1
	Minimum ...	70	68	67	69	70	65	63	63	65	66	70	72	67	69	70	73	70	55	50	55	69	69	68	63	59	57	60	53	54	62	60	64.2
Sikeston/	Maximum...	95	97	98	97	98	94	99	97	102	96	97	95	96	98	100	95	91	84	85	93	88	89	90	81	82	76	79	84	85	82	79	91.0
	Minimum ...	70	72	72	73	71	72	68	69	64	72	72	73	70	70	74	75	70	63	57	59	65	69	70	65	57	62	63	56	57	65	67	67.2
Union	Maximum...	93	100	103	103	96	93	94	98	101	105	106	101	102	106	107	100	90	92	93	100	95	95	92	89	82	74	75	85	89	88	88	94.8
	Minimum ...	66	68	67	68	69	64	63	61	61	62	72	74	67	66	69	72	69	67	52	48	58	58	58	54	52	59	58	58	56	68	58	62.6
West Plains	Maximum...	90	85	92	91	91	92	91	92	96	95	98	96	95	92	96	95	86	86	86	93	92	95	91	79	75	82	68	82	82	76	83	88.5
	Minimum ...	69	70	66	68	70	69	66	69	64	67	67	68	66	64	66	70	65	57	50	49	66	62	66	63	61	61	59	50	62	65	57	63.6
Cairo, Ill..	Maximum...	94	93	94	92	93	92	94	95	98	91	91	90	92	92	96	91	88	84	85	91	86	87	89	81	80	77	79	80	83	80	76	88.2
	Minimum ...	73	74	76	76	74	76	73	71	72	75	75	75	73	77	75	72	72	66	61	63	71	73	73	65	60	62	64	59	66	68	66	70.2

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis. 10-10-44—1000.

(Continued from page 50)

buildings. On the 4th at Lawson, Linneus, Sedalia, and Warrensburg. At Lawson some trees were uprooted and others broken, and power and telephone service disrupted, while crops were damaged by wind and the accompanying hail near Lawson. At Sedalia some trees were damaged and power and telephone service interruped in some parts of the city; at the army airfield near Sedalia several glider planes were reported damaged. On the 14th at Kansas City a large smokestack was blown down and power service was disrupted. On the 15th much damage was done to trees and electric lines at Maryville. On the 17th trees, roofs, outbuildings, and transmission lines were damaged at Appleton City; Boonville and Bowling Green also reported windstorms on this date, but no details available. (No estimates of the amount of damage were obtainable for any of the above windstorms).

DAMAGE BY LIGHTNING

On the 17th lightning struck a barn near Lawson and forty-five tons of hay were destroyed. It was reported that this was the sixth barn in that vicinity that had been burned after being struck by lightning this season.

ERRATA

May 1944, page 28: Greatest 24-hour precipitation at Crystal City should be 1.71.
June 1944, page 37: Precipitation on 12th at Elijah should be *.
July 1944, page 42: Greatest 24-hour precipitation and date at Advance should be 0.66 on 26th. Page 43: Mean temperature at Vichy should be 79.0. Page 45: Precipitation at Vichy on 14th, 16th, and 17th should be blank, T., and .37, respectively.

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CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII SEPTEMBER 1944 No. 9

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The month was practically a normal September, from a temperature standpoint, but precipitation was below the average for months of this name. These conditions were favorable for the maturing and gathering of fall crops, and also for plowing, the seeding of grains, and other farm work. There were no prolonged periods of decidedly warm, or abnormally cool weather, and, oddly enough, the monthly extremes of temperature occurred at most stations between the 3d and the 8th. During the latter interim Doniphan reported a maximum of 100°, on the 4th, for the State's highest reading, and the lowest recorded, 36°, occurred at our station 9 miles northwest of Black, less than 75 miles north of Doniphan, only four days later. Numerous stations had maxima in the middle or high nineties early in the month. Only three stations had minima below 40° during September. There were no damaging hail, or windstorms reported. Heavy fogs were more numerous than normal and occurred in some parts of the State on 15 days. A slight earthquake was felt over extreme eastern Missouri and western Illinois, on the morning of the 25th. Seismograph records at St. Louis University indicate the first tremor began 37 minutes and 37 seconds after 6 a. m., CWT, and indications are the epicenter was about 68 miles in southerly direction from St. Louis. This quake was the first felt in the St. Louis area since what was known as the "Thanksgiving Earthquake" of November 23, 1939.

Corn grew well and at the close of the month the bulk was safe from danger of frost damage, with prospects for the largest crop since 1932 and an average yield per acre of 35.5 bushels, the same as in 1943, and the highest yield since 1902, according to the Bureau of Agricultural Economics. Soybean production promised to set a new record for the State, according to the same authority.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 69.1°, or 0.2° lower than the 57-year September average. The highest monthly mean was 73.6° at Campbell, and the lowest was 65.0° at Maryville. The highest temperature reported was 100° at Doniphan on the 4th, and the lowest was 36° near Black on the 8th.

PRECIPITATION

The average for the State, 203 stations reporting, was 2.82 inches, or 1.16 inches less than the 57-year September average. The greatest monthly amount was 6.03 inches at Monroe City, and the least was 0.64 inch near Alton. The greatest amount reported in 24 hours was 3.78 inches, at Brunswick, on the 27-28th. The average number of days with 0.01 inch, or more, was 6.

MISCELLANEOUS PHENOMENA

Earthquake.—Light on 25th; no damage.

Floods.—In Mississippi River, flood stage prevailed at Louisiana on the 17th and 22d to 24th. In Missouri River, at St. Charles and below, continued from August to September 1st.

Fogs.—Heavy, 1st, 4th, 5th, 11th, 12th, 13th, 14th, 15th, 17th, 20th, 21st, 25th, 28th, 29th, 30th.

(Continued on page 57)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity §: 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.33*	24	29.78*	1	6.2	18	nw.	10	88*	58*	69*	62	32
Kan. City Airp't.	30.35	24	29.69	1	9.7	28	sw.	1	81	53	58	60	23
St. Joseph	30.26*	24	29.66*	1	7.4	20	e.	22	89*	55*	64*	58	36
St. Louis	30.33*	24	29.79*	13	10.0	25	ne.	20	81	57	60*	67	17
Springfield	30.28	24	29.83	1	8.9	35	sw.	4	92	63	71	68	29
Cairo, Ill.	30.29	24	29.79	12	6.1	29	n.	4	89	60	..	71	0
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	65.2	97	28	1.01	1.13	0.87	1.02	0	4	..	..	..
1889	64.7	94	32	4.68	5.55	4.66	3.83	0	11	..	..	..
1890	63.7	98	30	4.36	3.25	5.49	4.34	0	9	..	..	..
1891	70.6	104	34	0.72	0.53	0.90	0.72	0	6	..	..	..
1892	67.8	97	32	2.46	2.73	2.71	1.93	0	4	19	6	5
1893	69.9	107	26	4.07	3.50	3.96	4.74	0	6	17	7	6
1894	68.5	101	34	4.94	4.16	6.42	4.23	0	8	13	11	6
1895	71.8	104	24	2.38	2.04	2.43	2.66	0	4	19	8	3
1896	65.0	101	28	4.09	4.67	3.92	3.69	0	10	11	10	9
1897	74.3	105	27	0.67	0.97	0.61	0.43	0	2	23	5	2
1898	70.9	103	37	6.70	6.76	7.25	6.10	0	9	15	9	6
1899	67.4	108	21	1.96	2.27	1.79	1.81	0	4	20	6	4
1900	71.1	100	29	4.59	4.77	5.56	3.44	0	10	13	10	7
1901	68.9	103	27	2.16	2.41	2.75	1.31	0	6	18	8	4
1902	63.2	95	30	4.63	4.74	5.36	3.79	0	10	15	6	9
1903	66.6	98	32	4.16	5.64	3.56	3.28	0	8	17	6	7
1904	69.6	96	34	3.77	4.72	2.78	3.82	0	7	16	8	6
1905	69.6	98	41	7.40	8.20	8.36	5.64	0	10	15	6	9
1906	71.9	98	36	4.53	3.54	3.75	6.31	0	11	15	8	7
1907	68.9	101	31	2.06	2.35	1.62	2.20	0	6	18	7	5
1908	71.6	99	28	2.15	1.49	2.69	2.27	0	4	18	8	4
1909	68.7	105	28	4.48	5.30	3.35	4.79	0	8	18	6	6
1910	69.5	97	34	5.45	5.90	6.44	4.01	0	10	14	6	10
1911	73.7	105	39	6.27	8.17	5.98	4.65	0	11	13	7	10
1912	68.6	105	27	3.11	2.72	2.87	3.74	0	6	17	5	8
1913	69.4	109	27	4.75	3.74	4.64	5.88	0	9	13	7	10
1914	69.6	99	35	6.06	7.19	6.01	4.98	0	9	15	8	7
1915	70.6	98	34	5.18	6.21	6.93	2.40	0	7	16	7	7
1916	67.8	101	27	2.97	2.73	3.18	2.99	0	6	19	7	4
1917	67.9	101	33	2.76	2.97	3.64	1.66	0	5	19	6	5
1918	62.3	96	29	4.83	4.11	5.44	4.95	0	7	17	6	7
1919	71.4	104	38	3.14	4.13	1.95	3.34	0	5	20	6	4
1920	70.0	100	31	4.60	4.37	5.78	3.64	0	9	17	7	6
1921	73.4	104	34	6.94	8.05	7.03	5.74	0	13	13	9	8
1922	71.7	107	31	3.10	3.95	3.62	1.74	0	5	21	5	4
1923	68.7	98	33	4.44	4.84	4.75	3.74	0	11	12	9	9
1924	64.0	96	29	3.79	3.41	4.55	3.40	0	8	14	8	8
1925	74.6	110	45	6.56	5.84	6.48	7.37	0	10	14	6	10
1926	69.3	97	27	8.64	11.74	9.12	5.06	0	13	12	7	11
1927	71.6	102	29	3.72	3.11	3.41	4.65	0	8	17	7	6
1928	65.0	95	28	2.50	5.36	1.62	0.53	0	5	20	7	3
1929	67.4	98	33	3.16	3.16	2.83	3.48	0	8	13	10	7
1930	71.3	105	37	4.28	2.86	5.48	4.49	0	8	16	7	7
1931	75.0	104	36	3.91	5.97	3.18	2.58	0	7	19	7	4
1932	67.8	99	33	2.56	2.08	2.04	3.57	0	6	17	8	5
1933	74.6	102	36	4.69	3.00	4.92	6.16	0	9	16	8	6
1934	65.6	95	32	7.39	7.49	7.79	6.89	0	12	12	8	10
1935	68.1	98	33	3.51	4.30	3.13	3.10	0	6	20	4	6
1936	73.6	109	37	8.62	8.76	9.98	7.12	0	11	11	9	10
1937	69.4	103	29	2.41	1.12	2.53	3.57	0	5	18	7	5
1938	71.6	103	30	1.85	1.51	2.40	1.65	0	6	18	7	5
1939	75.5	108	30	0.81	0.42	0.74	1.27	0	2	23	5	2
1940	68.8	100	28	0.69	0.35	1.11	0.62	0	3	19	6	5
1941	71.6	97	35	5.83	5.98	7.34	4.17	0	9	14	9	7
1942	67.4	97	22	4.19	3.58	6.51	2.47	0	7	15	7	8
1943	65.8	102	33	3.51	3.15	3.97	3.41	0	8	13	10	7
1944	69.1	100	36	2.82	3.10	2.87	2.49	0	6	15	8	7
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
.....	....	...	..	....	....	....	....	.	..	..	..	..
Period	69.3	110	21	3.98	4.14	4.23	3.58	0	7	16	7	7

NAT. HIST.

Climatological Data for September 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	66.8	.....	92	3	39	7	15	1.34	−4.21	0.61	19	0	10	14	15	1	s.	Curtis E. Grace
Bethany	Harrison	916	49	67.4	+ 0.3	90	3	42	7	51	1.18	−3.38	0.40	22	0	7	13	7	10	se.	A. S. Cumming
Brookfield	Linn	767	3	70.8	.....	95	3†	49	7	3	2.96	.....	0.93	27-28	0	6	15	3	12	s	G. F. Breen
Brunswick	Chariton	652	63	69.2	+ 2.2	95	2†	49	7†	65	4.50	−0.31	3.78	27-28	0	7	16	6	8	nw.	O. K Benecke
Canton, Lock & Dam 20	Lewis	488	6	67.8	.....	92	3	46	7	14	4.20	+0.46	1.42	27-28	0	10	13	5	12	sw.	Lockmaster
Chillicothe	Livingston	779	35	67.4	− 0.1	94	3	44	26	38	1.28	−3.50	0.51	11	0	5	21	3	6	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	69.0	+ 0.4	93	3	45	6	35	4.06	−0.48	1.68	28	0	7	13	11	6	nw.	Dr. A J. Bradsher
Columbia	Boone	740	54	68.8	− 0.6	93	3	50	7	54	5.67	+1.32	2.64	27-28	0	7	13	10	7	s.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	67.4	+ 0 2	90	3†	44	29	60	1.42	−3.22	0.78	18-19	0	7	7	15	8	s.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	....	.....	..	..	..	..	41	....	.....	....	..	0	..	..	..	..	.....	LeRoy Miudrup
Elsberry	Lincoln	449	13	68.6	− 0.7	94	3	44	25	13	3.00	0.00	1.32	28	0	5	8	17	5	s.	John Dowell
Fayette	Howard	760	64	68.9	+ 0.8	92	3†	47	7	61	3.61	−1.35	2.60	27-28	0	7	19	6	5	se.	Irvin E. Schnell
Fulton	Callaway	818	56	67.7	− 1.2	92	3	46	8	52	5.07	+0.58	1.81	11	0	8	25	2	3	s	Frank E. Hillgartuer
Grant City	Worth	1,134	40	66.2	− 0.8	89	3	41	7	52	2.41	−2.28	0.86	19	0	9	6	14	10	sw.	Howard Rybolt
Hannibal	Marion	759	52	66.6	− 1.1	92	3	46	7	60	4.79	+0.82	1.50	27-28	0	10	10	12	8	s.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	70.4	+ 1.5	94	20	50	7	55	4.38	+0.56	3.22	27-28	0	6	11	7	12	s.	U. S. Weather Bureau
Kansas City Univ. I	Jackson	908	6	70.2	.....	93	20	51	7	6	3.06	.....	2.25	27-28	0	5	22	5	3	s.	University of Kansas City
Kidder	Caldwell	1,020	52	67.2	− 0.1	92	3	46	7	56	1.60	−3.60	0.43	10-11	0	7	13	6	11	sw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	68.4	+ 2.1	94	3	47	7†	62	2.57	−2.61	1.16	20	0	8	9	12	9	sw.	P. O. Selby
Lawson	Ray	1,070	6	68.2	.....	92	3†	44	7	6	2.98	.....	1.97	27-28	0	8	11	11	8	s.	Frank G. Gstrein
Louisiana	Pike	469	50	66.4	− 1.6	93	3	43	25	63	3.00	−1.43	0.81	11-12†	0	6	10	11	9	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	68.2	+ 0.3	92	3	48	7†	51	4.46	+0.02	2.50	27-28	0	7	9	8	13	se.	John W. Atwell
Maryville	Nodaway	1,169	54	65 0	− 0.6	88	3	42	29	50	1.26	−3.42	0.89	18-19	0	5	11	5	14	se.	R. B. Montomery
Memphis	Scotland	787	5	66 2	.....	94	3	45	7†	14	2.64	−1.54	1.18	23	0	6	16	4	10	se	John W. Alexander
Mexico	Audrain	800	55	69.0	+ 0.5	97	3	47	7	66	6.00	+1.03	1.46	11	0	12	13	11	6	nw.	Henry D. Llewellyn
Moberly	Randolph	860	7	67.8	.....	91	3†	46	7	7	3.27	.....	1.38	27-28	0	8	14[a]	7[a]	8[a]	sw.	F. W. Bell
New Florence, 1 mi SE	Montgomery	885	1	67.0	.....	92	3	48	25	2	2.48	.....	1.25	27-28	0	9	11	6	13	s.	U. S. Weather Bureau
Oregon	Holt	1,048	88	68.0	+ 0.9	92	3	45	30	88	1.41	−3.69	1.08	18-19	0	6	14	12	4	sw.	Miss Mina Wright
St. Charles	St. Charles	520	56	70.2	+ 1.9	96	3	49	7†	66	3.04	−0.80	1.02	11-12	0	7	13	13	4	s.	Martin L. Comann
St. Joseph	Buchanan	957	34	68.8	+ 0.4	92	20	48	29	72	0.85	−3.07	0.28	27	0	5	13	10	7	s	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	69.2	.....	93	3	49	25	6	3.00	.....	0.95	27-28	0	9	20	4	6	s.	Lockmaster
Shelbina	Shelby	779	3	69.0	.....	92	3	48	22	51	3.15	−1.79	1.33	27-28	0	9	17	4	9	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	68.4	− 0.6	96	18	44	7	51	2.56	−1.94	1.32	27-28	0	7	18	5	7	s.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	65.2	− 1.1	91	2	39	7	50	1.66	−2.58	0.63	18-19	0	8	11	14	5	s.	C. A. A. Station
Trenton	Grundy	822	48	68.0	+ 0.8	92	3†	46	7†	49	1.33	−3.42	0.49	22-23	0	7	12	14	4	s.	W. H. Estes
Unionville	Putnam	1,062	51	67.4	+ 0.3	96	4	43	8	51	4.16	−0.93	1.75	20	0	8	14	13	3	sw.	C. D. Wilson
Warrenton	Warren	816	62	69.2	+ 0.2	95	3	44	7†	54	2.76	−1.60	1.40	27-28	0	8	18	7	5	se.	W. J. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	67.8	+ 0.3	92	3	49	7	72	3.69	−0.15	1.16	20	0	9	11	11	8	sw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**68.0**	**+ 0.2**	**97**	**3**	**39**	**7**	..	**3.10**	**−1.04**	**3.78**	**27-28**	**0**	**7**	**14**	**9**	**8**	**s.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	68.2	− 2.8	95	4	42	9	45	4.97	+1.09	2.25	4-5	0	4	18[a]	5[a]	6[a]	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	69.6	− 0.8	91	3†	49	8	52	2.38	−2.00	2.25	27-28	0	4	16	9	5	sw.	Rolla Brown
Bolivar	Polk	1,071	41	70.0	+ 0.1	91	3	50	7†	49	3.36	−0.85	2.01	27-28	0	6	17	6	7	sw.	Southwest Baptist College
Boonville	Cooper	650	6	66.6	.....	90	3	49	7†	67	3.06	−2.13	1.72	27-28	0	8	14	6	10	se.	Boonville Water Dept.
Carthage	Jasper	962	10	70.4	.....	93	4	46	7	20	3 24	.....	1.38	27-28	0	5	11	15	4	s.	Carthage W. and E. Plant
Clinton	Henry	786	51	69.4	− 1.4	93	3	48	7	57	2.78	−1.74	1.63	27	0	5	16	9	5	s.	U. S Weather Bureau
Eldon	Miller	934	49	67.6	− 1.8	92	3	48	8†	45	3 44	−1.18	1.14	27-28	0	6	19	7	4	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	68.4	.....	92	3	48	8	3	3.24	.....	2.00	27-28	0	4	17	9	4	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	68.7	+ 0.2	93	20	49	7†	69	2.23	−2.67	1.85	27-28	0	5	11	6	13	e.	John H. Patterson
Jefferson City	Cole	557	54	68.4	− 0.9	93	3	47	8	62	3.98	−0.25	1.56	11	0	8	10	11	9	s.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	72.2	+ 0.1	91	4†	54	7	39	3.25	−0.67	1.28	28	0	5	24	1	5	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	67.8	− 3.2	92	3	45	8	13	2 32	−2.08	1.10	27-28	0	6	14	11	5	sw.	W. S. Frame
Lamar	Barton	980	56	68.9	− 1.9	90	4†	49	7†	63	2.88	−1.67	1.55	27-28	0	5	23	2	5	sw.	Mrs. Marie Manu
Lebanon	Laclede	1,265	56	66.8	− 2.6	90	3	45	7†	57	4.18	−0.31	1.64	27-28	0	6	11	8	11	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	69 8	+ 1.0	95	20	50	7	60	4.15	−0.62	3.58	27	0	6	14	12	4	n.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	71.2	+ 0.3	93	3	48	7	48	2.66	−2.12	1.18	27	0	6	17	9	4	sw.	Hubert A. Nieman
Marshall	Saline	779	57	70.5[d]	+ 1.7	92[d]	20	49[d]	7	54	2.60	−3.50	1.47	27-28	0	3	7[b]	17[b]	4[b]	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	68.8	− 0.1	91	4	47	7	47	2.95	−1.11	1.45	28	0	7	15	10	5	se.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	70.0	− 0.5	93	4	42	7	44	3.16	−0.68	1.01	4-5†	0	5	18	6	6	se.	James C. Williamson
Neosho	Newton	1,011	57	70.8	+ 0.3	93	4	45	7†	61	2.85	−1.44	1 23	27	0	5	7	19	4	sw.	U. S. Fisheries Station
Nevada	Vernon	862	51	70.8	+ 1.3	92	3†	49	7	52	2.42	−1.89	1.77	27-28	0	5	15	10	5	sw.	Henry Kraft
Ozark Beach	Taney	700	4	70.8	.....	97	4	50	7†	19	2.76	−0.43	0.94	28	0	6	5	19	6	sw.	A. J. Sharp
Sedalia	Pettis	910	31	70.2	+ 1 0	93	3	45	7	33	2.40	−2.50	....	..	0	5	19	5	6	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	69 1	− 0.5	88	4	50	7	41	3.15	−0.53	1.43	4-5	0	5	17[a]	7[a]	5[a]	s.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	68.0	+ 0.8	90	4	44	8	38	2.66	−1.36	1.00	28	0	5	17	6	7	s.	A. L. Hailey
Springfield.. ½ mile F	Greene	1,301	56	68.2	− 0.2	89	4	46	7	56	2.39	−1.13	1.36	27-28	0	7	13	8	9	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	68.1	.....	94	20	41	7	3	1.57	.....	1.27	28	0	4	15	11	4	s.	H F. Nelson
Warrensburg	Johnson	878	57	70.6	+ 0.4	93	3	50	7	61	2.25	−2 53	1.92	27-28	0	3	17	9	4	sw.	Central Teachers College
Warsaw	Benton	687	43	70.2	− 0.3	93	3†	46	7	49	2.01	−3.02	1.10	27-28	0	6	18	9	3	se.	Dora B. Johnson
Wasola	Ozark	1,294	3	68 1	.....	91	4	46	7	4	4 01	.....	1.60	28	0	5	19	8	3	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**69.3**	**− 0.4**	**97**	**4**	**41**	**7**	..	**2.87**	**+1.36**	**3.58**	**27**	**0**	**5**	**15**	**9**	**6**	**sw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	70.0	.....	96	4	42	8	7	1.33	.....	0.86	27-28	0	7	9	9	12	nw.	U. S. Weather Bureau
Arcadia	Iron	926	63	68.8	+ 1.2	97	20	41	8†	66	2.79	−1.19	1.20	28	0	4	14	2	14	e.	Arcadia College
Birch Tree... ½ mile F	Shannon	1,000	49	69 0[a]	− 0.8	92	3†	45[a]	8	50	1.69	−1.99	0.72	28	0	4	18	6	6	nw.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	66.4	− 1.4	94	4	36	8	51	3.79	−0.07	1.50	27	0	7	16	8	6	w.	Claude Volner
Campbell	Dunklin	314	18	73.6[a]	+ 2.0	97[a]	4	51	8	18	2.13	−1.74	1.38	4-5	0	6	13	13	4	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	71.8	− 2.7	93	4	55	9†	52	2.86	−0.35	1.50	28-29	0	5	17	4	9	sw.	Victor T. Malloure
Crystal City	Jefferson	420	10	70.0	+ 1.1	96	3†	42	8	10	4.99	+1.61	2.42	11	0	8	18	5	7	se.	Richard K. Ragland
Doniphan	Ripley	344	10	71.7	+ 0.5	100	4	45	8†	40	0 99	−2.71	0.51	28	0	5	26	2	2	ne.	Boyce Lackey
Farmington	St. Francois	896	33	69.3	− 0.3	95	3	42	8	47	2.54	−1 26	1.49	27-28	0	7	12	9	9	s.	F. M. Karsch
Greenville	Wayne	460	35	70.6	− 0.2	98	4	42	8	37	2.01	−1 31	1.17	11	0	5	19	4	7	nw	Benford Shoemake
Jackson	Cape Girardeau	428	53	71.2	+ 1.1	97	4	47	8	54	2.72	−1.30	1.43	28	0	5	10	5	15	n.	John G. Putz
Koshkonong	Oregon	958	43	68.6[c]	− 2.8	96[g]	4	46[c]	8	41	1.59	−2.05	0.75	4	0	4	17[f]	5[f]	2[f]	s.	R. E. Bratcher
Licking..... 4 miles N	Texas	1,170	7	68.3	.....	92	3†	40	8	7	2.53	.....	1.57	28	0	4	15	6	9	s.	U. S. Forestry Service

Continued on next page

Climatological Data for September 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours ‡	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division — Concluded																					
Malden....4 miles NNW	Dunklin	292	4	73.2	.....	97	4	52	25	1	1.62	.....	1.19	4-5	0	5	9	9	12	ne.	U. S. Weather Bureau
Marble Hill	Bollinger	470	49	69.3	− 1.4	98	4	40	8	51	2.47	−1.41	0.71	10-11	0	6	19	7	4	nw.	R. A. DeWitt
Poplar Bluff	Butler	339	39	71.4	− 0.3	99	4	48	8	40	1.96	−1.93	0.83	11	0	5	20	4	6	n.	Joe Roehm
Rolla	Phelps	1,202	44	69.2	+ 0.5	93	3	49	8	60	3.24	−0.90	1.62	27-28	0	4	8	17	5	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	70.8	+ 0.3	94	3	54	24	107	4.37	+0.91	2.89	11-12	0	8	14	8	8	sw.	**Section Center**
St. Louis Airport	St. Louis	556	7	69.4	+ 0.6	96	3	49	25	13	2.96	−1.41	1.28	11	0	6	6	12	12	s.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	70.7	− 0.2	95	3	54	24	32	3.52	−0.24	1.95	11-12	0	8	20	3	7	se.	St. Louis University
Salem	Dent	1,173	40	68.3	− 0.9	93	3	42	8	43	3.51	−0.37	1.48	28-29	0	6	15	10	5	s.	E. E. Martin
Sikeston	Scott	318	37	71.2	+ 0.1	96	2†	49	8	47	1.98	−1.90	0.91	4-5	0	8	8	15	7	sw.	William B. Seabaugh
Union .....1½ mi. SE	Franklin	520	6	68.8§	.....	..	..	42	8	27	2.87	−1.32	0.93	27-28	0	8	13	11	6	s.	Columbus L. Cunio
Vichy .....2 mi. NW	Maries	1,125	8	68.6	.....	91	3	50	7	9	3.04	.....	1.38	28	0	5	16	6	8	s.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	71.6	.....	93	3	53	8†	5	1.46	.....	0.92	28	0	6	20	7	3	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	70.8	.....	96	3	47	8	4	4.52	.....	1.90	11	0	5	16	8	6	s.	William J. Miller
West Plains	Howell	1,005	7	68.8	.....	94	4	44	9	7	1.74	.....	....	..	0	5	15	9	6	s.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	67.5	.....	91	4	45	8†	37	2.28	−1.80	0.90	27-28	0	3	18	7	5	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	344	72	72.1	− 0.1	95	4	53	8	73	1.86	−1.03	0.60	4-5	0	7	9	10	11	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	70.0	− 0.2	100	4	36	8	..	2.49	−1.09	2.89	11-12	0	6	15	8	8	s.	
State means	**and extremes**	.....	..	69.1	− 0.2	100	4	36	8	..	2.52	−1.16	3.78	27-28	0	6	15	8	7	s.	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Irontou; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for September 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia..... (Univ. of Mo. Hort. Exp. Sta. 9 mi. WNW.)	Evaporation	.229	.271	.252	.277	.277	.198	.270	.233	.200	.261	.166	.041	.130	.062	.120	.190	.167	.200	.111	.241	.401	.280	.147	.071	.129	.150	.133	.041	.016	.040	....	5.304
	Mean temperature	70	71	78	76	72	66	60	61	64	68	62	64	62	64	68	70	76	72	74	76	71	62	56	60	64	67	66	64	58	64	..	66.8
	Wind movement ..	104	142	143	65	104	72	98	26	64	97	72	13	71	47	21	77	82	70	77	100	123	83	75	78	23	44	64	80	114	42	..	2,271
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	68	70	78	81	75	69	61	62	64	68	64	64	64	66	70	70	77	72	74	76	73	64	58	62	65	68	64	66	57	66	..	67.8
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis ..... (Washington University)	Evaporation	.172	.217	.191	.185	.145	.156	.182	.154	.132	.172	.153	.042	.085	.055	.075	.130	.146	.148	.159	.105	.236	.192	.154	.044	.106	.102	.081	.017	....	.018	....	3.883
	Mean temperature	73	76	82	82	75	71	62	65	68	70	64	66	64	66	71	76	78	74	76	80	74	64	58	62	64	71	73	66	58	64	..	69.8
	Wind movement ..	18	27	23	19	19	17	31	19	9	19	30	3	25	9	2	6	16	20	16	9	35	31	34	29	12	11	10	15	40	20	..	574

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 55)

Frosts.—No frost reported.

Hail.—Light, on 11th at St. Louis (City); on the 12th, four miles north of Martinsburg; on the 20th, at Amity and Grant City.

Windstorms.—No damaging winds reported.

ERRATA

July 1944, page 46: Minimum temperatures on 25th and 26th at Springfield should be 67 and 69, respectively.

August 1944 { Page 51: Precipitation on 30th at Lakeside should be on 31st.
{ Page 53: Mean maximum temperature at St. Louis should be 86.4.

Daily Precipitation for September 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand				.06				.10		.17	.02	.01				T.			.61	.01		.02	.24				T.	.10				1.34
Amity[2]	do				.08		T.					.21	T.	T.			T.			.06	.01	.09		.14	T.			T.	.28	.01			0.88
Auxvasse	Missouri											1.59	.01		T.							.48		.04				.35	1.63	.01	.02		4.13
Bethany	Grand										.05	.23								.37				.40			.05	*	.08				1.18
Bowling Green[2]	Mississippi												.55	.23								.55		.55	.21				.64	.59			3.32
Brookfield[2]	Grand				.17							.45		.12								.82		.47					.93				2.96
Browning....3 mi. NE	do				T.				T.		.23	.29	.33	T.						.03		.35	.02	.39				.02	.37				2.03
Brunswick[2]	do											.10		T.	T.		.15				T.	.27		.06	.08				3.78	.06			4.50
Canton, Lock No. 20[2]	Mississippi						.09					.28	.53	.10			.01					.94		.71	.12				1.41	.01			4.20
Centralia[2]	do											.42	.60									.84		.15					1.23	.39	.09		3.72
Chillicothe[2].....(A)	Grand				T.							.51	.02	.08										.24					.43				1.28
Chillicothe[2].....(B)	do				T.							.60	T.	.03				T.						.15					.52				1.30
Clifton Hill	Chariton												.45				.02	.18				1.29		.38				.06	1.68				4.06
Columbia[1, 5]	Missouri									.03	1.19	.01	T.				T.			T.	1.72	T.	T.	T.				1.61	1.08	.03	T.		5.67
Columbia[2]..9 mi. WNW	do											.31	.21									1.17							1.61	.64	.07		4.01
Conception	do								T		.09				.07		.03			.78			.08	.20			T.	T.	.17				1.42
Edgerton	do																																
Edina[2]	Mississippi																					1.10		.55	T.				.61	T.			2.26
Elsberry	do											.39	.17								.55			.57					1.32				3.00
Elsberry S. C. S.[2]	do					T.							.52	.17	T.							.62		.42	.09				.55	.72	T.		3 09
Farber[2]	do											.52	.97	.40			.01					.25	*	*	*				2.04	*	*		4.19
Fayette	Missouri											.02	.02				.06					.88		.03				.15	2.45				3.61
Fulton[2]	do											1.27	.54	.26								1.77		.02					.61	.56	.04		5.07
Gallatin[2]	Grand				.29				T.			.33	.02	.08							.20	.04		.38					.25				1.59
Grant City	do							.15			.06	.27	.04							.86	.49		.15	.38	.01			T.					2.41
Hannibal[1].....(A)	Mississippi											.86	.16				.03	1.13			.32	.03	.10	.66				.45	1.05		T.		4.79
Hannibal[2].....(B)	do											T.	.22	.07				.85				.75		.55	.12				1.50	.08			4.14
Hermann[2]	Missouri												.23	.03	.01							.53							.56	.87			2.23
Kahoka[2]	Mississippi						T.					T.	.20	.25								1.40		.70	.45			.45					3.45
Kansas City Airport[1, 5]	Missouri										.73	T	.05	T.			T.			.34	T.		.04	T.				2.27	.95				4.38
Kansas City University	do										.71		.05										.05					2.00	.25				3.06
Kidder[2]	Grand				.22							.43	.15	.22			T.				.24			.14					.20	T.			1.60
King City	Missouri										.22					T.					.12		.15	.35					.15				0.99
Kirksville	Mississippi				T.							.38	.14	.02			T.			T.	.21	.95		.55				.01	.31				2.57
Knoxvillle[3]	Missouri										.56									.01	T.		.02	T.	T.			1.21	.72				2.55
LaBelle[2]	Mississippi				T.		.10					T	.09	.16								.51		.46	.10				1.40	T.			2.82
Lawson	Missouri										.55	.13	.15				.02			.14			.02					.02	1.95				2.98
Linneus[2]	Grand											.70	T.	.10								.55		.45					.55				2.35
Louisiana[2].....(A)	Mississippi												.81	.12									.69	.67	.14					.57				3.00
Louisiana[2].....(B)	do												.77	.09								.82		.30	.09				.56	.35			2.98
Lucerne[2]	Grand									.05		.51		.04							.01	1.62		.79					.05				3.07
Macon[2]	Chariton											.01		.04				.04				1.37		.46	.04				2.50	T			4.46
Madison[2]	Mississippi											.15	.11					.40				.80		.43	.06				1.27	.28	.04		3.54
Martinsburg[2]	Missouri											.60	.68	T.	T.		T.					1.13		.24	.02				1.01	.87	.03		4.61
Maryville	do										.06		.10							.89			T.	.13				T.	.08				1.26
Memphis[2]	Mississippi											.14		.17								1.00		.68	.50				.15				2.64
Mexico[2]	do											1.46	.68	.19	.09		.06					1.23	.05	.24	.03				1.13	.74	.10		6.00
Milan[2]	Grand				.21							.49		.60							.05	.31		.43	.07				.19				2.35
Moberly[2]	Mississippi												.11	.04				.40				.76	.50		.08				*	1.38			3.27
Monroe City	do											1.32	.62				.09	.72				.82		.71				.02	1.71	.02			6.03
New Florence[3, 5] 1 mi SE	Missouri											.64	.05								.32	.01	.01	.04				.45	.96	T.	.02		2.48
Oregon	do				.02	T.					.12		T.							1.08			.07	T.				*	.12				1.41
Palmyra	Mississippi											1.80	.27					1.35				.21		.67					1.50	T.			5.80
Paris[2]	do											.42	.46	.12				.05				1.12		.54	.07				1.85	.41	.03		5.07
Perry	do											1.45	*	.24								.58		*	.65				*	1.45			4 37
St. Charles[2]	Missonri	.02											1.02									.74		.23					.37	.62	.04		3.04
St. Charles[2].....(B)	do												1.19	.01		T.						.69		.22	.02				.29	.70	.01		3.13
St. Joseph[1, 5]	do										.19		.08				T.			.27	T		.03	T.				.28					0.85
Saverton, Lock No. 22[2]	Mississippi						T.					.03	.67	.05				.03				.50		.45	.13				.95	.19	T.		3.00
Shelbina	do											.25	.10	.02			.13	.05				.67		.60				.13	1.20				3.15
Shelbyville[2]	do											.29	T.	.38				.24				.79		.58					1.70				3.98
Steffenville	do											.37	.04	.02			.02				T.	.23		.56					1.32				2.56
Tarkio[3]	Missouri					T.			T.	.05	.53		.03				.01		.29	.34			.26	T.	T.			.15					1.66
Trenton[2]	Grand				.05							.46		.02								.07	.03	.49					.21				1.33
Troy[2]	Mississippi												.35	.37								.32		.37	.06				.65	1.05			3.17
Unionville[2]	Chariton				.04							.51		.41							.03	1.75		.75	.58				.09				4.16
Vaudalia	Mississippi																					.52		.75				.08	1.39		.02		
Warrenton	do				T.							.18	.20									.69		.10				.08	1.40	.06	.05		2.76
Keokuk Iowa[1]	do			T.	.02	T.	T.		T		T.	.76	.38				.02			T.	1.16		.30	.72			T.	.02	.31		T.		3.69
Southwestern Division																																	
Altona[2]	Osage											.08																	3.30	.26			3.64
Anderson[2]...1½ mi. SW	Neosho					2.25						.03																	1.98	.71			4.97
Appleton City	Osage											.05																*	2.25	.08			2.38
Ava Ranger Station[2]	White												1.15																1.33	1.40			3.88
Bakersfield[2]	do	.50				1.28																							.61	.73			3.12
Bolivar	Osage					T.						.04	.25	.04														.96	2.01	.06			3.36
Boonville[2] .....(A)	Missouri											.09	.03	.22				.05				.60		.02					1.72	.33			3.06
Boonville[2].....(B)	do											.06	.05	.11				.05				.68		.02					1.30	.60			2.87
Buffalo[2]	Osage											.33	.11																2.04	.56			3.04
Butler[2]	do											.07	T.																2.56	.37			3.00
Caplinger Mills[2]	do											.31	T.	.09															1.26	.36	T.		2.02
Carthage	Neosho	.06				.35						.09																1.36	1.38				3.24
Clinton[3]	Osage											.01	.13															1.63	1.00	.01			2.78
Concordia	Missouri											.15		.03				T.						.04					1.48				1.70
Crocker	Osage											1.11												.05				.45	1.49				3.10
Eldon[2]	Missouri											.96	.90								.29								.99	.19	.11		3.44
Eldorado Springs	Osage											.29	T.															.42	1.20	.05			1.96
Elijah	White					1.38							.04																.76	.72			2.90
Fort Leonard Wood[2]	Gasconade					T.							.40		T.						.28								2.00	.56			3.24
Galena[2]	White											.19	.07																1.25	.73			2.24
Granby[2]	do					1.78						.04																*	2.78				4.60
Hailey	do				1.61							.21																.92	.93				3.67
Harrisonville[2]	Osage											.11		.05										.22					1.77	.08			2.23
Jefferson City[2]	Missouri											1.03	.53	.05								.95			.04				1.08	.21	.09		3.98
Joplin[1]	Neosho				.45							.15																1.25	1.28	.12			3.25
Lakeside[2, 5]	Osage											.45	.50	.05	T.							.07			T.				1.10	.15	T.		2.32
Lamar[2]	Neosho					.15						T.	.43																1.55	.65	.10		2.88
Lebanon[2]	Osage					.05						T.	.49	.27	.02														1.64	1.71			4.18
Lexington[2]	Missouri											.29	.04	.19							.03			.02					3.58				4.15
Lockwood	Osage					.28						.04	.04															1.18	1.07	.05			2.66
Macomb[2]	White					.56							.70	.20															1.05	.88			3.39
Marshall	Missouri																					.53		T.				.08	1.39				2.00
Marshfield[2]	White					.21						.68	.05		.20														.94	.58	T.		2.66
Mountain Grove	do				T.	.46						.42		.05								.14						.40	1.45	.03			2.95
Mount Vernon[2]	Neosho					1.01						.04																1.01	.72		.38		3.16
Neosho	do					.85																						1.23	.68	.06	.03		2.85
Nevada	Osage											.12		.07														.42	1.77	.04			2.42

Continued on next page

Daily Precipitation for September 1944 (Continued from preceding page)

Station	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		Total
Southwestern Division—Concluded																																	
Osceola[2]	Osage											.14	.02	.09														*	*	*	1.37		1.62
Ozark Beach[2]	White					.72	.04					48	.01																57	94			2.76
Pierce City[2]	Neosho					1.85							.02															97	1.06	*	.06		8.95
Pleasant Hill[2]	Osage											.30		.01							T.			.16	T.				1.48	.02			2.00
Roby	Gasconade											.83	.02	.14								.11						.50	1.98	.04			3.62
St. Thomas[2], 2¼ mi SW	Osage											.33	.68									.26							.98	.19			2.44
Sedalia	Missouri											.03	.03															*	*	2.31			2.10
Sellgman	Neosho				.11	1.29						.09																.66	.97				3.15
Seymour....3½ mi. NE	White				.02	.42						.64																.58	1.00				2.66
Shell Knob[2]...3 mi. SE	....do																																
Siloam Sprgs Lookout[2]	....do					1.10																							.60	.20			1.90
Springfield[1, 5]...½ mi. E	....do				.27	T.						.54	.05	.05										T.				.76	.70	.02			2.39
Stover[2]	Missouri											.40	.15																1.01	.16			1.72
Sweet Springs	....do										.04	T.	T.											.04	T.			.22	1.27	T.			1.57
Tecumseh[2]...¾ mi. W	White																																
Topaz[2]	....do					.40							.10	.05															1.29	.60			2.41
Vanzant[2]...3¾ mi. SE	...do					.51							.18	.10														T	.99	.69			2.47
Warrensburg	Missouri											.13		T.										T				.20	1.92				2.25
Warsaw[2].....(A)..	Osage											.31	.05	.10											T.				1.10	.35	.10		2.01
Warsaw[2].....(B)..	....do											.27	.08	.10											T.				.65	.65	.17		1.92
Wasola	White				.01	.98						.36																1.03	1.60	T.			4.01
Waverly[2]	Missouri				.05							.20		.05								.67							2.80				3.77
Wilderness Lookout[2]..	White											.15																	1.43				1.88
Southeastern Division																																	
Advance[3].....¼ mile W	St. Francis..		.03	T.	.02	.02						.36	T.									.04						.02	.81	T.			1.33
Alton ..... 10 miles SE	Black					.05																						T.	.59				0.64
Annapolis (1)	St. Francis											1.11																*	1.08				2.19
Annapolis[2](2)..7 mi. W	Black					.15							.12									.18							1.10	.42			1.97
Arcadia[2]	St. Francis					T.							.61									.23							.75	1.20			2.79
Banner[2]	Black					.11							.09									.49		T.					1.13	.79			2.61
Belleview	Meramec				.40							1.15										.25						.75	1.35				3.90
Bernie[2]	St. Francis..					1.00							.23																.30	.11			1.64
Birch Tree ....½ mile E	Black				T.	.46						.17																.34	.72				1.69
Black..... 9 miles NW	....do				.15							.26	.01									.55						1.50	1.27	.05			3.79
Bloomfield[2]	St. Francis									.60			.26															.22	.48				1.56
Bunker[2]... 4 miles NW	Black					.13							.19	.06								.32							.62	.70			2.02
Campbell	St. Francis		.04			1.38						.13	.10															T.	.43	.05			2.13
Cape Girardeau[2]	Mississippi..					.83							.34																.12	1.23			2.52
Caruthersville[2]	....do	.11	.22			.58							.45																	1.50			2.86
Centerville[2]	Black					.39							.10	.08								.24							.73	.62			2.16
Cook Station[2]	Meramec												.96									.62							.40	1.56			3.54
Crane Mountain[2]	St. Francis					.22							.35									.27							.69	.48			2.01
Crystal City	Mississippi..				.15							2.42	.27	T.							.10	.60		.05				*	1.40				4.99
Cuba	Meramec											.25	.30									1.16							1.58	.10			3.39
Deering[2]	St. Francis					.81																							T.	1.31			2.12
De Soto[2]	Mississippi												1.12	T.								.30		.07					.30	1.13			2.92
Dexter[2]	St. Francis		.06			2.20							.28	T.								.03								.36			2.93
Doniphan	Black				.05	.31																.03							*	.51			0.90
East End[2]	Meramec												1.73									.80							1.00	.82			4.35
Ellington[2]	Black																																
Ellsinore Lookout[2]	....do					.50																.15							*	.60			$1.25
Farmington	St. Francis				T.							.45	.11	.05								.28		T				.33	1.25	.07			2.54
Fisk[2]	....do		T.			.73						.11	.17	.19															.06	.22			1.48
Fredericktown[2]	....do					.34							1.30									.12							.15	.70			2.61
Gerald[2]	Meramec												.46								T.	.56							1.09	.45			2.56
Greenville[2]	St. Francis					.14							1.17								.04							.26	.40				2.01
High Lookout[2]	Black					.30							.05	T.															*	.71			1.06
Jackson	Mississippi				.03	.52						.68	.06																1.43				2.72
Jefferson Barracks[2]	Mississippi											*	2.02									.40	T.	.16	T.				.27	.63			3.48
Jerome[2]	Gasconade												.28									.21							.76	.32			1.57
Koshkonong	Black				.75									.03														.10	.71				1.59
Leeper[2]	....do					.39							.12									.30							.22	.57			1.60
Licking ..... 4 miles N	Gasconade..				T.							.51										.20						.25	1.57				2.53
Macedonia Lookout[2]..	Black					1.50							.37																	.46			2.33
Malden[3]...4 miles NNW	Mississippi		T.		.95	.24	T.					.17	T.									T.						.08	.18	T.			1.62
Marble Hill	....do					.46						.71	.14	.37								.13		T.					.66				2.47
Meramec Park[2]	Meramec												.69	.02	.02							.54		T.	T.				1.39	.77	T.		3.43
Morehouse	Mississippi					1.19						.23										T.							.26	.13			1.81
Moselle[3]	Meramec					.32							.69	.03								.27		.04					.70	.47			2.52
New Madrid[2]	Mississippi..	.01	.03	.50		1.15						.18	T.																.07	.30			2.24
Owensville[2]	Gasconade												.25									.10		1.11					1.23	1.28			3.97
Pacific[2]	Meramec												.76	.22								.43		.04					1.20	.61			$3.26
Parma[3]	St. Francis					1.52							.15	.04															.02	.27			2.00
Perryville	Mississippi..				1.05							.95	.45	T.								.04						*	.90				3.40
Pilot Knob[2]... 2 mi. NE	St. Francis					.20							.70									.32							1.70	.80			3.72
Poplar Bluff[2] ....(A)..	Black					.32						.13	.70									T.							.55	.26			1.96
Poplar Bluff[2] ....(B)..	....do					.36						.18	.62									.01							.50	.22			1.89
Puxico[2]	St. Francis				.08	.17							.20																.14	.90			1.49
Qulin[2]	....do					1.13						.02	.33	T															.01	.17			1.66
Reynolds[2]	Black					.30							.41	.06								.15							.86	.61			2.39
Richwoods[2]	Meramec												1.19									.39							1.62	.04			3.24
Rolla[2]	....do												.77	T.								.42			T.				1.62	.43			3.24
Round Spring[2]	Black					1.70																							*	1.02			2.72
St. Louis City Office[1, 5]	Mississippi						T.					2.80	.09	.02							.06	.23	T.	.18				.33	.66	T.	T.		4.37
Airport[3, 5]	Missouri											1.28	T.	T.							.26	.25	T.	.21				.35	.61	T.	T.		2.96
St. Louis Univ[1, 5]	Mississippi											1.91	.04	.05								.27		.20				.39	.65	.01			3.52
Washington Univ.[2]	....do												1.40									.38		.17	.04				.58	.36			2.93
Salem[2]	Meramec					.08							.26	T.	.06							.32							1.31	1.48			3.51
Sikeston[2]	Mississippi		.04			.91						.05	.18	.05											T.				.35	.24	.06		1.98
Steelville[2] ...2½ mi. NE	Meramec												.30	.35								.62							1.12	.73			3.12
Summerville	Black				1.70	.21						T.										.15						.66	.92	.02			3.75
Union .....1½ mi. SE	Meramec				.15							.59	.37									.42		.03				.35	.93	.03			2.87
Valley Park[2]	....do					T							1.00	.28								.62		.08					.67	.51			3.16
Van Buren	Black				.73	.12																						.07	.43				1.35
Vichy[3] ..... 2 miles NW	Meramec									T.		.52	T.	T.							.57	.22	T.	T.				.35	1.38	T.	T.		3.04
Wappapello Dam[2]	St Francis					.15						.04	.15									.02								.18	.92			1.46
Weingarten	Mississippi											1.90	1.07									.30						.05	1.20				4.52
West Plains[3]	Black				.59	.01						T.	.01											T.				.41	.72				1.74
Williamsville[2]	....do					.38						.12	.48	.01								.07							.06	.57			1.69
Willow Springs[2] 500 ft E	White					.66							T.	T.											T.				.90	.72			2.28
Winona Ranger Sta.[2]	Black					.44							.09									.03							T.	1.06	.38			2.00
Zalma[2]	Mississippi				.11	.04							.44									.03								.25	.30			1.17
Cairo, Ill.[1, 5]	....do		.05	T.	.58	.02						.46	.13											T.				.36	.26	T.	T.		1.86

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for September 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick /	Maximum	87	95	94	88	81	73	78	80	82	80	69	73	72	79	87	87	90	87	89	95	84	76	63	72	78	83	76	66	64	73	..	80.0
	Minimum	56	56	65	70	66	61	49	49	55	58	58	59	57	55	53	57	67	64	63	67	64	53	53	54	51	51	60	64	58	57	..	58.3
Chillicothe /	Maximum	88	89	94	86	79	71	76	79	81	73	70	73	74	78	86	84	89	86	85	91	82	74	65	71	78	82	76	62	67	76	..	78.8
	Minimum	56	59	64	65	60	55	47	48	56	58	57	55	56	52	51	57	68	62	61	64	60	50	49	54	51	44	60	59	51	52	..	56.0
Columbia	Maximum	86	89	93	86	83	74	75	77	79	83	68	76	72	78	84	85	86	86	87	90	84	74	64	69	77	83	74	65	61	70	..	78.6
	Minimum	56	65	70	68	64	54	50	51	57	58	57	55	54	54	58	67	68	64	67	64	59	53	56	53	50	61	65	58	55	57	..	58.9
Fayette	Maximum	85	88	92	86	83	77	75	76	83	83	75	75	74	79	84	86	88	86	87	92	87	74	65	71	78	84	76	68	65	73	..	79.8
	Minimum	53	62	66	71	63	59	47	54	53	55	66	50	54	50	55	65	68	60	62	65	60	50	56	53	48	58	67	58	56	57	..	58.0
Grant City	Maximum	85	88	89	85	80	71	78	79	81	75	71	72	71	80	84	84	87	84	83	85	79	70	58	66	72	79	75	69	66	77	..	77.4
	Minimum	50	62	67	56	56	50	41	46	57	61	52	53	47	52	56	65	66	64	65	61	58	50	53	52	44	57	66	53	46	47	..	55.1
Hannibal	Maximum	85	88	92	85	80	72	72	79	81	83	64	69	70	73	80	85	85	85	86	87	79	70	57	68	75	81	79	65	60	70	..	76.8
	Minimum	55	62	67	69	61	54	46	51	54	56	57	53	55	54	55	62	60	59	65	61	59	49	51	48	48	55	62	56	51	54	..	56.3
Kansas City Airport.	Maximum	87	89	93	85	81	73	75	81	82	77	70	71	73	81	88	83	89	88	87	94	84	77	62	67	73	83	75	67	64	79	..	79.4
	Minimum	63	67	73	69	65	57	50	57	62	60	58	57	57	54	61	71	72	70	67	70	63	56	56	55	56	63	67	57	55	57	..	61.5
Kirksville	Maximum	88	90	94	90	80	75	78	81	83	77	67	74	71	75	84	86	90	87	87	84	81	74	64	71	75	81	73	78	65	74	..	79.2
	Minimum	55	63	69	65	61	54	47	53	58	59	60	55	51	51	54	65	68	61	67	67	60	48	52	50	50	57	69	56	47	56	..	57.6
Lawson	Maximum	86	89	92	86	81	73	75	80	81	76	72	73	74	79	87	83	88	87	85	92	87	76	65	71	79	81	77	66	66	78	..	79.5
	Minimum	55	65	68	65	59	52	44	52	56	56	55	53	53	52	55	59	67	64	65	65	64	48	52	52	51	58	66	55	51	51	..	56.9
Louisiana /	Maximum	85	89	93	85	80	72	73	78	81	85	64	70	70	73	84	85	84	86	87	90	80	71	58	67	76	81	79	68	60	70	..	77.5
	Minimum	58	59	61	75	64	64	44	44	45	53	59	58	54	52	52	54	54	53	62	65	63	50	50	51	43	44	56	64	54	54	..	55.3
Macon /	Maximum	85	89	92	89	82	74	78	78	80	80	69	75	75	80	85	85	88	87	87	91	83	74	61	70	76	81	79	65	65	72	..	79.2
	Minimum	55	58	66	69	62	58	48	48	57	58	59	55	56	58	55	56	68	60	61	69	58	48	50	50	50	52	57	64	55	53	..	57.1
Maryville	Maximum	84	87	88	83	79	70	72	77	81	73	70	69	73	75	82	80	83	82	81	83	78	70	57	62	71	76	75	66	66	73	..	75.5
	Minimum	48	62	65	57	55	48	45	58	56	58	50	53	53	50	53	62	64	64	63	61	55	49	51	50	44	56	62	50	42	47	..	54.4
Mexico /	Maximum	89	91	97	87	83	75	75	81	83	88	65	78	72	80	88	88	89	90	89	92	84	75	62	70	82	85	79	67	62	80	..	80.9
	Minimum	56	59	64	72	63	60	47	48	49	57	58	55	56	57	56	58	67	62	62	65	63	50	50	51	48	49	59	63	55	54	..	57.1
Moberly /	Maximum	85	88	91	85	79	72	73	76	78	81	68	71	74	77	84	87	86	85	86	91	82	74	62	70	76	81	74	62	64	71	..	77.8
	Minimum	58	62	68	69	62	59	46	54	57	59	59	52	56	52	54	55	65	62	64	68	61	50	55	51	49	55	64	61	55	55	..	57.9
Oregon	Maximum	87	91	92	84	80	76	76	82	83	77	71	73	73	80	85	83	86	87	86	88	81	70	65	67	75	83	78	69	70	79	..	79.2
	Minimum	57	66	69	59	60	50	46	54	60	60	52	56	54	53	58	64	67	66	64	63	49	51	52	52	48	60	65	53	48	45	..	56.7
St. Charles /	Maximum	91	94	96	88	84	79	77	83	82	83	72	75	76	79	87	86	88	89	88	93	86	76	61	72	88	83	78	68	69	70	..	81.1
	Minimum	58	64	66	76	66	64	49	49	55	58	61	59	57	56	57	60	66	62	65	66	63	53	55	53	50	55	60	67	55	56	..	59.4
St. Joseph	Maximum	86	90	92	84	80	73	76	81	82	70	72	72	73	79	86	80	87	87	86	92	84	75	63	69	78	82	78	66	70	78	..	79.0
	Minimum	60	67	69	63	61	54	48	57	61	56	54	57	56	53	60	68	65	68	67	65	60	53	55	52	48	62	64	52	48	52	..	58.6
Trenton	Maximum	87	88	92	87	81	73	76	78	80	71	74	72	75	78	83	84	88	85	84	92	83	75	65	70	75	83	79	69	67	75	..	79.1
	Minimum	55	64	63	62	60	53	46	54	55	59	55	56	57	50	57	56	67	62	64	65	60	60	50	54	47	58	67	56	46	51	..	57.0
Unionville /	Maximum	91	91	94	96	85	77	82	85	86	78	75	74	73	76	95	91	90	91	91	87	82	75	61	74	78	85	85	68	76	80	..	82.4
	Minimum	50	50	55	60	58	52	44	43	53	53	53	51	54	50	49	52	61	60	60	62	60	46	45	50	50	49	55	58	45	44	..	52.5
Warrenton	Maximum	88	90	95	93	87	80	78	81	84	89	85	76	73	80	87	90	89	89	88	91	87	75	74	70	77	84	78	68	62	69	..	81.9
	Minimum	53	62	67	72	60	61	44	44	52	50	57	56	53	51	51	62	67	63	63	62	61	47	56	52	45	50	62	60	58	55	..	56.6
Keokuk, Iowa	Maximum	81	86	92	86	78	71	74	77	78	80	64	71	68	70	80	84	86	84	86	87	80	70	60	69	75	78	78	66	63	70	..	76.4
	Minimum	62	68	72	70	62	57	49	54	60	61	59	54	58	57	54	67	67	63	70	63	59	51	53	52	51	58	66	56	52	53	..	59.3
Southwestern Division																																	
Clinton	Maximum	86	88	93	85	84	76	75	80	81	83	73	74	74	81	87	87	89	88	88	92	88	80	73	71	84	85	71	68	63	80	..	80.9
	Minimum	55	66	69	68	62	56	48	50	53	54	55	49	50	50	51	65	68	63	63	64	61	52	56	55	55	59	67	57	55	58	..	57.8
Eldon /	Maximum	84	87	92	88	79	75	74	78	80	84	68	76	74	80	86	88	89	87	88	90	84	76	65	69	80	85	71	66	57	73	..	79.1
	Minimum	55	54	61	67	66	62	50	48	48	52	52	54	54	53	53	55	64	60	60	63	62	51	51	54	50	53	58	64	55	54	..	56.1
Harrisonville /	Maximum	85	88	92	86	84	78	73	79	80	80	74	76	73	78	88	85	88	87	87	93	89	78	69	76	78	83	71	64	63	77	..	80.1
	Minimum	55	58	66	69	62	56	49	49	54	55	56	51	52	53	54	58	66	64	63	65	62	52	54	54	53	54	60	63	56	55	..	57.3
Jefferson City /	Maximum	85	88	93	87	83	76	75	79	81	85	69	76	74	79	84	81	87	87	87	92	84	79	65	71	79	85	74	66	59	75	..	79.5
	Minimum	56	58	65	73	64	62	49	47	48	55	54	54	54	52	53	54	66	61	63	66	62	54	54	54	50	52	60	66	55	54	..	57.2
Joplin	Maximum	84	87	90	91	82	77	73	79	80	83	74	74	76	82	89	86	87	86	86	91	89	86	78	64	80	87	75	70	63	80	..	81.0
	Minimum	63	72	77	71	70	63	54	55	58	58	60	56	57	58	62	73	70	68	68	72	70	58	62	59	56	61	69	59	59	61	..	63.3
Lamar /	Maximum	83	85	89	90	83	78	73	78	78	82	72	72	75	80	87	87	88	85	86	90	90	84	83	65	81	85	72	70	68	79	..	80.6
	Minimum	55	60	65	70	66	60	49	49	50	52	52	50	50	50	51	58	66	63	62	62	65	52	52	56	54	55	55	65	65	56	..	57.2
Lebanon /	Maximum	84	85	90	88	81	74	72	78	79	84	67	73	71	78	85	85	84	85	89	83	79	72	67	79	85	71	66	59	77	..	78.5
	Minimum	55	58	62	67	66	59	45	45	47	51	53	50	50	50	51	54	63	58	59	63	60	49	48	53	49	54	59	64	55	54	..	55.0
Lexington /	Maximum	88	89	93	88	83	76	80	82	83	78	73	75	74	80	89	88	90	88	88	95	88	80	64	73	81	82	75	63	64	80	..	81.0
	Minimum	57	62	69	69	64	57	50	51	59	59	58	56	55	55	55	59	69	66	67	68	64	52	53	54	53	57	61	53	53	55	..	58.7
Marshall	Maximum	85	88	91	..	84	..	80	77	78	80	75	73	73	77	85	84	..	88	87	92	90	86	77	..	79	84	81	76	64	77	..	[d]81.2
	Minimum	57	65	64	..	64	..	49	54	56	56	58	55	55	52	58	66	..	63	68	78	61	71	56	..	53	61	66	58	54	56	..	[d]59.8
Mountain Grove	Maximum	82	85	89	91	78	78	74	74	76	80	79	74	75	78	82	84	81	83	83	87	87	83	77	71	78	83	81	67	71	76	..	79.6
	Minimum	57	62	69	71	67	60	47	48	51	52	57	51	52	52	58	63	64	61	62	64	61	52	56	53	56	58	65	59	58	57	..	58.1
Neosho	Maximum	85	89	91	93	90	80	76	80	81	84	82	76	78	84	89	89	88	86	88	91	90	88	84	77	83	89	88	73	65	83	..	84.0
	Minimum	55	62	73	72	67	62	45	46	50	48	59	47	45	49	55	67	62	64	61	62	59	47	58	59	51	54	64	63	59	59	..	57.5
Nevada	Maximum	85	88	92	88	85	80	77	81	82	82	74	75	76	84	91	89	89	87	88	92	89	86	81	69	82	86	77	70	62	82	..	82.3
	Minimum	56	64	70	74	66	61	49	51	54	55	51	50	53	50	57	66	68	65	64	64	63	54	63	57	54	57	67	57	57	59	..	59.2
Sedalia	Maximum	85	88	93	90	82	79	74	78	81	84	80	74	73	79	87	86	90	86	87	92	88	82	72	70	81	83	80	68	63	77	..	81.1
	Minimum	57	65	70	72	62	59	45	52	56	57	59	52	53	52	59	66	70	65	66	69	60	52	59	54	53	60	68	58	55	58	..	59.4
Springfield .. ½ mile E	Maximum	82	85	88	89	80	75	72	76	77	82	69	73	72	78	83	85	84	83	85	88	86	82	78	68	79	85	70	68	62	79	..	78.8
	Minimum	56	62	69	68	66	52	46	51	51	50	55	53	52	49	56	64	63	62	62	64	58	55	57	53	53	57	66	60	57	59	..	57.5
Warrensburg	Maximum	85	88	93	89	82	78	77	80	81	81	76	74	74	80	88	85	89	86	88	92	88	82	76	72	80	82	80	69	63	78	..	81.2
	Minimum	58	66	72	71	65	59	50	54	57	58	58	53	53	54	58	66	70	66	65	69	64	53	59	54	58	61	67	57	57	54	..	60.0
Southeastern Division																																	
Arcadia	Maximum	89	90	95	96	85	84	80	82	85	89	70	76	78	86	88	88	88	88	95	97	87	84	75	75	82	88	75	66	64	78	..	83.4
	Minimum	59	59	62	69	68	65	47	41	41	45	48	58	51	50	49	50	57	55	55	58	60	57	51	54	44	45	50	65	59	56	..	54.3
Birch Tree .. ½ mile E	Maximum	85	88	92	92	81	79	75	77	80	85	76	77	76	81	87	90	87	87	88	89	91	87	78	71	82	87	82	70	67	78	..	82.2
	Minimum	54	60	60	69	68	64	50	45	67	49	58	46	51	49	50	51	58	56	57	60	60	55	49	51	51	51	..	64	58	58	..	[a]55.9
Caruthersville /	Maximum	83	88	91	93	84	78	76	75	80	85	70	76	78	78	83	85	87	86	87	90	88	80	78	77	81	86	86	76	69	77	..	81.7
	Minimum	63	64	72	72	67	67	58	56	55	56	62	64	55	55	60	60	62	62	65	66	68	62	57	57	57	57	67	68	64	62	..	62.0
Crystal City	Maximum	90	91	96	96	85	82	78	81	83	87	81	78	76	80	87	81	88	90	89	94	91	84	73	75	81	85	85	72	66	75	..	83.3
	Minimum	54	59	64	64	65	63	45	42	47	48	58	66	52	52	52	61	65	56	60	65	62	52	55	52	45	52	65	65	55	57	..	56.6
Doniphan	Maximum	91	93	93	100	91	84	81	79	83	87	84	82	83	85	89	90	90	91	92	95	95	85	82	72	84	91	85	81	76	84	..	86.6
	Minimum	59	62	70	71	69	66	52	45	45	49	51	58	48	52	52	57	55	55	57	61	62	52	50	54	46	51	64	65	64	61	..	56.8
Farmington	Maximum	89	90	95	94	83	80	75	79	83	88	79	74	76	78	87	87	87	87	88	93	84	77	68	72	80	86	78	68	65	77	..	81.6
	Minimum	59	62	67	74	66	64	50	42	47	49	60	57	53	52	54	61	59	58	59	64	60	53	55	51	45	52	64	62	55	56	..	57.0
Jackson	Maximum	88	90	94	97	94	83	78	78	82	87	83	73	80	78	84	87	88	87	90	92	89	84	76	74	81	86	85	75	66	75	..	83.5
	Minimum	63	63	63	74	70	65	53	47	50	52	63	60	52	54	55	59	55	58	62	65	64	54	*58*	54	48	54	67	64	59	58	..	58.8
Poplar Bluff	Maximum	88	92	96	99	88	83	77	80	83	87	78	78	82	80	87	88	88	87	90	95	90	84	76	76	84	88	84	72	70	80	..	84.2
	Minimum	58	63	69	73	69	66	54	48	49	52	66	58	51	55	55	58	56	58	59	62	64	55	53	56	51	53	64	61	63	60	..	58.6
Rolla /	Maximum	86	88	93	89	82	78	75	79	81	85	64	75	72	79	87	86	87	87	87	90	84	77	63	69	79	85	72	66	59	77	..	79.3
	Minimum	56	65	71	79	67	61	50	49	52	55	58	52	52	54	55	60	68	61	65	66	61	54	57	53	52	56	67	64	54	55	..	59.0
St. Louis	Maximum	88	89	94	85	82	75	72	79	81	85	73	72	72	78	84	86	86	87	88	91	83	74	63	72	78	83	79	69	59	71	..	79.3
	Minimum	64	66	73	74	69	62	56	58	60	62	60	60	58	59	62	64	69	68	67	66	64	58	56	54	57	64	67	58	56	57	..	62.3
Salem /	Maximum	87	89	93	90	81	79	76	80	80	85	68	75	75	80	87	89	87	88	89	92	84	81	66	71	81	87	74	67	60	84	..	80.8
	Minimum	55	57	64	70	67	61	55	42	45	48	50	52	53	50	50	54	61	60	61	63	61	48	49	54	49	56	59	65	56	57	..	55.8
Sikeston /	Maximum	88	96	94	96	89	83	73	78	83	86	69	78	81	81	82	85	89	88	91	94	90	83	75	72	81	87	81	76	72	80	..	83.4
	Minimum	62	64	70	69	68	66	54	49	52	54	60	62	53	54	56	60	58	60	63	65	66	51	53	51	52	52	59	66	63	61	..	59.1
Union ....1½ mi SE	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	81	73	71	71	....
	Minimum	50	57	66	76	62	61	49	42	47	51	57	56	52	52	50	58	66	55	66	61	61	49	50	52	43	52	62	64	55	57	..	56.0
West Plains	Maximum	87	89	93	94	78	78	79	76	80	85	76	78	77	81	88	91	87	88	89	92	90	85	80	75	84	88	73	68	69	81	..	82.6
	Minimum	53	61	65	67	65	56	49	45	44	48	55	49	49	49	49	59	56	54	55	60	60	49	54	53	50	51	62	62	60	57	..	54.9
Cairo, Ill.	Maximum	86	90	93	95	86	82	74	78	81	84	72	76	80	79	82	84	87	86	86	87	88	81	72	74	81	83	81	72	68	76	..	81.5
	Minimum	64	67	74	71	71	66	58	53	57	58	66	59	57	61	63	63	62	66	68	69	68	61	59	58	55	61	70	64	64	62	..	63.2

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII OCTOBER 1944 No. 10

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GENERAL SUMMARY

Practically all of the month's precipitation occurred during the first week, after which an ideal type of Indian Summer weather prevailed. Temperatures were quite mild and sunshine averaged considerably above normal, with an average of 22 clear days, for the State as a whole. It was a very favorable month for all outdoor activities and seasonal work of harvesting and planting made exceptionally good progress. A general killing frost had not occurred by the end of the month, although in some localities, vegetation had been killed and the 1944 growing season ended.

It was the warmest October since 1941 and averaged 3.3° warmer than the same month a year ago. Temperature extremes were not unusual for October. All three divisions of the State averaged approximately two to three degrees warmer than their respective normals. The 6th was generally the warmest day of the month, while the lowest temperatures for the month occurred on several dates, but more generally on the 12th and 13th. Warm periods were the 1st-7th, 17-20th, and 23d-31st, with a cool period from the 8th to 13th.

The month was the driest October since 1938, for the State as a whole, while in the Southeastern Division it was the driest October since 1924 and the seventh-driest of record in the past 57 years. Precipitation was all in the form of rain, no snow being recorded anywhere in the State. It was very irregularly distributed, monthly totals ranging from as much as 5.94 inches at the wettest station, to as little as 0.02 inch at the station receiving the least amount.

There were no overflows in the major streams of the State and only one destructive storm, a small tornado at Springfield.

Wheat seeding was completed during the month and the crop came up to good stands, although in need of moisture over the drier areas of the State at the close of the month. Harvesting of corn and soybeans was in full swing, with record yields from the latter crop. Pastures were generally ample to sustain livestock, but needed rain the latter part of the month. Cotton picking and ginning continued during October and the crop was generally good. The mild open weather was very favorable for livestock and very little feeding and shelter were necessary, thereby conserving a maximum of feed. A general rain to replenish some low water supplies and to sustain growth of small grains and grass was needed at the end of the month.—M. R. W.

TEMPERATURE

The monthly mean for the State, 97 stations reporting, was 59.6°, or 1.9° warmer than the 57-year October average. The highest monthly mean was 64.7° at Joplin, and the lowest was 55.2° at Maryville. The highest temperature reported was 92° at Ozark Beach, on the 6th, and at Arcadia on the 31st, and the lowest was 25° near Black, on the 17th and 18th and at Marble Hill, on the 17th, 18th, and 28th.

PRECIPITATION

The average for the State, 204 stations reporting, was 1.68 inches, or 1.28 inches less than the 57-year October average. The greatest monthly amount was 5.94 inches at Galena, and

(Continued on page 63)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Relative humidity $: 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine	Degree days
Columbia	30.58*	27	29.82*	4	5.9	29	sw.	23	83*	49*	59*	76	203
Kan. City Airp't.	30.57	27	29.78	5	8.0	36	sw.	4	81	47	50	77	145
St. Joseph	30.56*	27	29.74*	5	6.8	25	s.	4	87*	48*	57*	72	172
St. Louis	30.60*	16	29.86*	5	9.7	27	sw.	31	73	43	50*	81	173
Springfield	30.55	27	29.87	4	7.3	46	nw.	2	84	50	66	88	193
Cairo, Ill.	30.54	27	29.87	2	6.7	21	sw.	5	86	44	..	83	165
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. $ C. S. T.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature: Average for State	Highest	Lowest	Precipitation: Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Number of days: Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	53.6	89	24	2.72	2.02	3.32	2.82	....	6	..	..	..
1889	53.8	91	22	2.32	2.54	2.05	2.38	....	5	..	..	..
1890	54.8	91	20	2.35	3.01	2.70	1.33	....	7	..	..	..
1891	55.7	92	20	1.05	1.31	1.09	0.76	....	5	..	..	..
1892	57.5	95	16	2.40	2.04	2.78	2.39	0	5	16	7	8
1893	56.7	95	16	1.12	0.48	0.91	1.97	...	3	20	8	3
1894	57.6	94	18	1.82	2.09	1.26	2.12	T.	6	17	8	6
1895	51.2	89	14	0.42	0.26	0.34	0.66	T.	2	21	6	4
1896	54.1	90	19	2.48	2.70	2.43	2.32	0	5	19	6	6
1897	62.5	99	23	0.74	0.55	0.81	0.87	0	3	22	6	3
1898	53.5	95	19	4.35	4.26	4.18	4.61	1.4	8	11	7	13
1899	62.4	100	24	3.16	1.98	3.58	3.93	0	5	20	6	5
1900	62.4	92	25	3.96	5.23	3.78	2.86	0	7	17	7	7
1901	60.1	96	24	1.69	1.55	1.63	1.89	0	6	18	8	5
1902	59.5	88	23	2.41	2.90	2.30	2.02	0	5	21	5	5
1903	57.3	90	19	3.06	2.19	3.76	3.22	0	6	19	6	6
1904	57.6	90	19	0.88	0.93	0.81	0.90	0	3	20	7	4
1905	55.1	90	20	4.85	3.67	5.78	5.09	0.3	10	15	7	9
1906	56.3	94	17	1.06	0.66	0.89	1.62	0	5	17	6	8
1907	56.7	94	18	2.93	2.02	3.62	3.14	0	7	17	6	8
1908	56.3	92	21	2.39	3.60	3.11	0.45	0.8	5	18	6	7
1909	57.2	96	20	2.72	3.45	2.99	1.71	T.	6	19	5	7
1910	59.4	94	15	2.97	0.97	1.76	6.18	0	5	22	4	5
1911	56.9	96	25	3.16	3.81	3.31	2.36	0.2	8	11	7	13
1912	59.1	97	21	3.78	3.87	4.29	3.17	0.7	6	20	5	6
1913	54.7	93	11	4.65	3.68	3.92	6.36	3.3	9	15	6	10
1914	59.2	88	19	4.59	4.32	4.28	5.17	0	7	14	6	11
1915	59.8	95	22	1.22	0.77	1.61	1.29	0	3	23	5	3
1916	58.0	95	20	2.12	2.53	2.03	1.79	0.3	6	18	5	8
1917	49.8	93	12	1.15	1.25	0.77	1.43	0.2	6	16	8	7
1918	60.6	95	28	3.45	3.02	3.51	3.82	0	7	14	6	11
1919	58.4	98	17	7.07	3.49	8.48	9.23	0	11	10	7	14
1920	61.3	93	18	3.14	1.94	3.76	3.73	T	7	17	6	8
1921	57.9	92	24	2.15	2.78	2.20	1.47	0	5	21	5	5
1922	59.9	97	18	2.04	2.00	1.84	2.28	0	5	20	5	6
1923	53.0	89	17	3.55	2.40	4.40	3.84	0.1	9	15	5	11
1924	61.8	92	21	1.22	1.54	1.59	0.52	0	4	22	5	4
1925	48.6	92	− 3	4.98	3.70	4.12	7.12	2.4	10	8	8	15
1926	57.3	93	21	4.73	4.43	4.98	4.77	0	9	14	6	11
1927	60.9	93	26	4.59	5.49	5.33	2.96	0	5	22	5	4
1928	60.9	94	22	3.82	3.85	2.91	4.71	0	8	15	8	8
1929	57.2	91	23	5.36	6.30	5.97	3.80	T.	10	15	6	10
1930	55.3	92	11	3.09	2.43	3.68	3.17	T.	6	16	6	9
1931	61.7	95	27	3.37	3.89	3.99	2.23	0	8	15	7	9
1932	55.7	90	22	3.54	2.79	3.19	4.65	0	5	18	5	8
1933	56.4	86	23	2.90	1.68	3.78	3.25	0	7	17	8	6
1934	61.1	90	24	2.50	2.22	3.02	2.25	0	4	22	5	4
1935	57.1	90	21	3.47	2.04	4.42	3.94	T.	10	12	7	12
1936	56.7	89	20	3.55	2.45	3.76	4.43	T.	8	16	6	9
1937	56.3	98	15	2.44	1.57	1.89	3.86	T	7	16	6	9
1938	63.9	99	19	1.23	1.11	1.50	1.09	0	3	24	4	3
1939	61.1	100	19	1.89	1.39	1.92	2.35	0	6	21	7	3
1940	63.0	94	28	1.73	2.31	1.65	1.23	0	6	20	6	5
1941	61.6	92	20	10.14	10.41	11.57	8.45	T.	17	8	8	15
1942	58.0	90	13	2.97	1.83	3.71	3.36	0	6	17	6	8
1943	56.3	90	19	3.23	2.56	4.27	2.85	0	7	18	6	7
1944	59.6	92	25	1.68	1.73	2.34	0.96	0	4	22	5	4
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	57.7	100	− 3	2.96	2.67	3.16	3.04	0.2	6	17	6	8

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Climatological Data for October 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	57.5	.....	83	5†	28	10†	15	2.09	−0.70	1.55	2	0	5	23	4	4	n.	Curtis E. Grace
Bethany	Harrison	916	49	57.2	+ 2.4	84	28	30	12	51	1.80	−1.12	1.14	2	0	4	20	5	6	se.	A. S. Cumming
Brookfield	Linn	767	3	61.6	.....	84	28	37	12†	3	1.56	.....	0.81	4	0	3	26	1	4	s.	G. F. Breen
Brunswick	Chariton	652	63	58.8	+ 3.5	82	28†	34	13	65	1.66	−1.34	1.17	2	0	4	24	4	3	se.	O. K. Beneeke
Canton, Lock & Dam 20	Lewis	488	6	56.4	.....	82	6	32	12	14	1.00	−1.26	0.52	3	0	3	21	5	5	nw	Lockmaster
Chillicothe	Livingston	779	35	57.8	+ 2.8	85	29	33	10†	38	1.11	−2.03	0.68	2	0	4	26	2	3	ne.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	59.0	+ 2.3	84	6	32	12	35	0.79	−1.73	0.57	2	0	4	21	6	4	n.	Dr. A J. Bradsher
Columbia	Boone	740	54	59.4	+ 2.5	88	6	32	12	54	1.14	−1.47	0.87	1-2	0	3	18	7	6	e.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	58.5	+ 3.1	81	29	31	10	60	2.29	−0.59	1.50	1-2	0	5	18	9	4	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	....	.....	..	..	..	..	41	....	.....	....	..	.	..	..	..	..	.....	LeRoy Mindrup
Elsberry	Lincoln	449	13	57.6	+ 0.1	86	6	30	17	13	1.59	−0.92	1.27	2	0	4	19	10	2	nw.	John Dowell
Fayette	Howard	760	64	58.8	+ 2.4	86	6	34	12	61	1.36	−1.53	0.81	2	0	5	25	2	4	sw	Irvin E. Sehnell
Fulton	Callaway	818	56	58.6	+ 1.2	87	6	35	17	52	2.20	−1.22	1.49	3	0	5	26	2	3	sw.	Frank E. Billgartner
Grant City	Worth	1,134	40	57.6	+ 2.5	81	6†	32	9†	52	2.28	−0.76	2.10	2	0	4	22	5	4	nw.	J. Homer Korn
Hannibal	Marion	759	52	56.8	+ 0.8	85	6	34	12	60	1.97	−0.42	1.44	4	0	4	20	7	4	e.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	61.2	+ 3.5	85	29	38	12	55	1.03	−1.66	0.71	2	0	4	19	6	6	sw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	61.6	.....	85	29	39	9†	6	1.02	.....	0.68	2	0	5	24	3	4	s.	University of Kansas City
Kidder	Caldwell	1,020	52	57.6	+ 1.8	82	28	31	10	56	1.16	−1.91	0.49	20	0	5	23	3	5	ne.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	58.0	+ 3.3	82	28	34	10†	62	1.16	−2.00	0.66	4	0	5	22	3	6	w.	P. O. Selby
Lawson	Ray	1,070	6	59.1	.....	82	28†	31	10†	6	1.33	.....	0.54	2	0	5	21	4	6	ne.	Elmer E. Lamb
Louisiana	Pike	469	50	57.2	+ 1.0	87	6	30	16†	63	1.95	−1.33	1.10	2	0	4	18	11	2	sw.	Stark Bro's Nurseries
Macon	Macon	875	45	57.2	+ 0.9	82	6	35	10†	51	2.02	−0.87	1.06	4	0	2	21	7	3	se.	John W. Atwell
Maryville	Nodaway	1,169	54	55.2	+ 1.7	78	31	30	10†	50	3.68	+0.71	3.02	2	0	6	22	2	7	sw.	R. B. Montomery
Memphis	Scotland	787	5	56.8	.....	81	30	32	12	14	1.44	−0.49	0.77	4-5	0	3	23	4	4	sw.	John W. Alexander
Mexico	Audrain	800	55	57.4[b]	+ 1.1	89[b]	6	32[a]	13	66	3.14	+0.07	1.17	2-3	0	6	24[a]	2[a]	4[a]	se.	Henry D. Llewellyn
Moberly 3½ mi. NE	Randolph	860	7	57.8	.....	83	6	34	10	7	1.56	.....	1.42	2-3	0	3	25	3	3	sw.	F. W. Bell
New Florence, 1 mi SE	Montgomery	885	1	57.7	.....	86	6	36	22	2	2.55	.....	1.34	3-4	0	3	18	6	7	nw.	U. S. Weather Bureau
Oregon	Holt	1,048	88	58.8	+ 3.7	80	29†	32	10	88	1.22	−1.53	0.45	19	0	5	24	2	5	sw.	Miss Mina Wright
St. Charles	St. Charles	520	56	57.2	− 1.0	90	6	35	13†	66	1.79	−1.39	0.79	5	0	5	21	8	2	nw.	Martin L. Comann
St. Joseph	Buchanan	957	34	60.0	+ 4.0	84	29	34	12	72	1.58	−1.31	0.90	2	0	8	21	5	5	s.	U. S. Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	58.3	.....	87	6	36	12†	6	3.05	.....	1.86	4-5	0	4	28	0	3	nw.	Lockmaster
Shelbina	Shelby	779	3	57.7	.....	83	6	32	10†	51	1.43	−1.18	0.92	2	0	2	26	2	3	nw.	Guyman Hatcher
Steffenville	Lewis	650	46	56.9	− 0.5	81	6	32	12	51	3.06	+0.33	2.38	2-3	0	5	23	5	3	nw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	55.4	+ 0.6	80	23†	28	10†	50	3.22	+0.41	2.36	2	0	7	18	8	5	s.	C. A. A. Station
Trenton	Grundy	822	48	58.8	+ 2.9	82	28	30	17	49	1.65	−1.48	0.50	1-2	0	5	21	6	4	s.	W. H. Estes
Unionville	Putnam	1,062	51	57.2	+ 2.0	83	28†	30	13	51	1.62	−1.51	1.15	3	0	4	23	5	3	e.	C. D. Wilson
Vandalia	Audrain	766	0	58.2	.....	89	6†	32	10†	5	1.78	.....	0.94	2	0	4	14	10	7	n.	H. G. McIntire
Warrenton	Warren	816	62	57.8	+ 1.8	88	6	30	16†	54	0.89	−2.55	0.72	2	0	4	22	7	2	sw.	W. T. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	57.8	+ 2.4	81	6	35	12	72	1.10	−1.16	0.65	2	0	4	17	10	4	ne.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**58.1**	**+ 2.0**	**90**	**6**	**28**	**10†**	..	**1.73**	**−0.94**	**3.02**	**2**	**0**	**4**	**22**	**5**	**4**	**sw.**	
Southwestern Division																					
Anderson 1½ mi SW	McDonald	1,000	40	59.2[a]	+ 0.5	90[a]	1	30	13	45	2.92	−0.97	1.14	2	0	5	25[a]	3[a]	2[a]	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	60.4	+ 1.5	86	6	36	12†	52	3.11	+0.15	1.62	1	0	4	21	4	6	sw.	Rolla Brown
Bolivar	Polk	1,071	41	62.0	+ 3.4	88	6	36	12	49	1.31	−1.94	0.98	2	0	5	24	5	2	sw.	Southwest Baptist College
Boonville	Cooper	650	6	56.2	.....	83	6	34	10†	67	1.11	−2.11	0.80	2	0	4	22	4	5	w.	Boonville Water Dept.
Carthage	Jasper	962	10	62.0	.....	89	6†	34	12†	20	4.96	.....	4.19	1-2	0	4	24	6	1	sw.	Carthage W. and E. Plant
Clinton	Henry	786	51	59.9	+ 1.0	87	6	31	12	57	1.93	−1.52	1.42	2	0	4	23	6	2	n.	U. S. Weather Bureau
Eldon	Miller	934	49	59.8	+ 2.4	89	6	36	16	45	1.65	−2.05	1.28	1	0	5	22	5	4	sw.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	60.2	.....	88	6	33	12	3	0.65	.....	0.54	2	0	3	23	7	1	s.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	59.9	+ 3.8	85	29	33	12	69	1.36	−1.61	1.00	2	0	3	23	3	5	s.	John H. Patterson
Jefferson City	Cole	557	54	59 6	+ 2 8	89	6	35	10†	62	3.35	−0.02	2.23	2	0	5	22	6	3	se.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	64.7	+ 4.5	87	1†	41	12	39	5.09	+1.64	3.26	2	0	5	25	2	4	s.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	59.1	− 0.7	89	6	34	12†	13	1.63	−1.18	1.28	2	0	4	23	5	3	sw.	W. S. Frame
Lamar	Barton	980	56	60.8	+ 1.9	89	6	34	12†	63	1.95	−1.66	1.40	2-3	0	5	26	2	3	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	60.8	+ 3.1	87	6	31	10†	57	1.26	−2.51	0.80	2	0	5	21	5	5	sw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	61.2	+ 3.7	85	28	36	12	60	1.52	−1.51	1.12	2-3	0	6	26	1	4	sw	Miss Carrie Loomis
Lockwood	Dade	1,078	38	63 2	+ 4.5	89	6	34	12	48	2.23	−1 67	1.16	1-2	0	5	24	4	3	sw.	Hubert A. Nieman
Marshall	Saline	779	57	61.5[e]	+ 4.9	84[e]	6	35[e]	12	54	1.41	−1.72	1.14	2	0	3	21[e]	4[e]	3[e]	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	61.5	+ 3.9	86	6	32	10	47	1.91	−1.55	1.11	2-3	0	6	24	7	0	nw	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	61.3	+ 2 7	89	1	33	12	44	3.35	−0.03	2.82	2-3	0	5	..	..	..	.....	James C. Williamson
Neosho	Newton	1,011	57	61.9	+ 2.7	89	1†	31	12	61	4.25	+0.56	2.28	1-2	0	6	23	5	3	sw.	U. S Fisheries Station
Nevada	Vernon	862	51	62.2	+ 4.6	89	6	34	12	52	2.00	−1.07	1.55	2	0	5	24	2	5	sw.	Henry Kraft
Ozark Beach	Taney	700	4	61.0	.....	92	6	34	13†	19	2 50	−1.37	1.54	2-3	0	5	13	12	6	se.	A. J. Sharp
Sedalia	Pettis	910	31	61.3	+ 3.6	90	1	32	12	33	0.91	−1 77	0.86	2	0	3	25	2	4	sw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	62 6[d]	+ 3.6	84[d]	1	36[d]	12	41	4.26	+0.80	3.39	2-3	0	5	19[e]	7[e]	0[e]	.....	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	59.0	+ 1.6	85	6	30	10†	38	4.83	+1.55	2.45	21	0	8	24	4	3	sw.	A. L. Hailey
Springfield, ½ mile E	Greene	1,301	56	60 0	+ 2.4	87	6	34	12	56	3.16	+0.11	2.80	2-3	0	6	21	6	4	s	U. S. Weather Bureau
Sweet Springs	Saline	700	3	58.6[a]	.....	88	6	26[a]	12	3	0.85	.....	0.65	2	0	6	22	5	4	w.	H F. Nelson
Warrensburg	Johnson	878	57	61.8	+ 3.8	86	6	36	12	61	1.59	−1.43	0.73	2	0	4	23[e]	2[a]	5[a]	ne.	Central Teachers College
Warsaw	Benton	687	43	61.1	+ 2.1	89	6	32	12†	49	1.32	−2.48	1.30	2	0	2	25	4	2	sw.	Dora B. Johnson
Wasola	Ozark	1,294	3	61.4	.....	85	1†	35	10†	4	3.86	.....	3.33	2-3	0	5	26	3	2	w.	A. W. Pinckney
Division means	**and extremes**	.....	..	**60.8**	**+ 2.8**	**92**	**6**	**26**	**12**	..	**2.34**	**−0.62**	**4.19**	**1-2**	**0**	**5**	**23**	**5**	**3**	**sw.**	
Southeastern Division																					
Advance ¼ mile W	Stoddard	354	7	58.4	.....	90	6	27	28	7	0.39	.....	0.39	5	0	1	17	7	7	n.	U. S. Weather Bureau
Arcadia	Iron	926	63	59.2	+ 3.2	92	31	29	17†	66	0.50	−2.95	0.21	3†	0	3	24	2	5	se.	Arcadia College
Birch Tree ½ mile E	Shannon	1,000	49	60.6[d]	+ 2.2	87[e]	6	29[d]	13	50	0.89	−2.59	0 59	2	0	5	19[d]	7[d]	1[d]	n.	R. C. Moger
Black 9 miles NW	Iron	1,000	51	56.2	+ 0.3	89	6	25	17†	51	0.88	−2.71	0.58	4-5	0	4	20	10	1	ne.	Claude Volner
Campbell	Dunklin	314	18	63.1[b]	+ 3.0	90[b]	6	36[b]	10	18	1.53	−1.57	0.80	3	0	4	11[b]	7[b]	1[b]	n	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	60.6	− 1.6	87	6	35	28	52	2.30	−1.05	1.52	5-6	0	4	21	6	4	n.	Victor T. Malloure
Crystal City	Jefferson	420	10	58.8	+ 0.4	91	6	29	17†	10	0.59	−2.18	0 30	5	0	4	24	2	5	nw.	Richard K. Ragland
Doniphan	Ripley	344	40	60.2	+ 1.7	91	6	29	28	40	2.63	−0.43	2.10	2-3	0	6	27	2	2	ne.	Boyce Lackey
Farmington	St. Francois	896	33	59.2	+ 2.4	91	6	30	17	47	0.40	−3.04	0.18	2-3†	0	4	22	5	4	n.	F. M. Karsch
Greenville	Wayne	460	35	59 4[b]	+ 1.8	90[b]	6	28[b]	17†	37	0.65	−2.63	0.45	5	0	3	23[b]	5[b]	1[b]	n.	Benford Shoemake
Jackson	Cape Girardeau	428	53	60 6	+ 2.7	88	6	30	28	54	0.42	−3.10	0.42	5	0	1	23	1	7	n.	John G. Putz
Kohkonong	Oregon	958	43	63.2[a]	+ 3.6	91[a]	6	35[a]	11	44	1.65	−1.57	1.60	2-3	0	3	25	3	3	w.	R. E. Brateher
Licking 4 miles N	Texas	1,170	7	59.1	.....	89	18	27	14	7	1.60	.....	0.92	3	0	3	24	4	3	n.	U. S. Forestry Service

Continued on next page

Climatological Data for October 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days					Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record years	Total	Departure from the normal	Greatest in 24 hours, ⁴	Date	Total snowfall, unmelted	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	61.9	.....	91	6	37	28	1	0.80	.....	0.45	7	0	5	20	6	5	sw.	U. S. Weather Bureau
Marble Hill	Bollinger	470	19	58.6	+ 0.4	91	6	25	17†	51	0.47	−2.95	0.27	4-5	0	2	25	2	4	n.	R. A. DeWitt
Poplar Bluff	Butler	339	39	61.0	+ 0.9	91	6	31	28	40	1.06	−2.60	0.62	2-3	0	4	25	5	1	n	Joe Rochm
Rolla	Phelps	1,202	44	60.6	+ 4.1	88	6	36	10	60	2.00	−1.46	0.95	4	0	4	16	14	1	sw.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	61.1	+ 2.3	88	6	43	12	107	0.78	−1.91	0.66	4-5	0	4	20	8	3	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	59.4	+ 2.1	90	6	36	17	13	1.07	−2.35	0.72	4-5	0	4	17	9	5	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	60.9	+ 2.3	89	6	43	12†	32	0.59	−2.57	0.38	4-5	0	4	22	7	2	nw.	St. Louis University
Salem	Dent	1,173	40	59.0	+ 1.4	89	6	30	13†	43	0.68	−2.94	0.39	2	0	3	25	4	2	n.	E. E. Martin
Sikeston	Scott	318	37	59.8	+ 0.5	89	4	33	28†	47	0.15	−3.12	0.09	4-5	0	3	19	8	4	n.	William B. Seabaugh
Union .....1½ mi. SE	Franklin	520	6	57.4	.....	89	6†	29	17†	27	1.45	−2.03	0.64	5	0	3	23	3	5	n.	Cornelius Sleges
Vichy .....2 mi. NW	Maries	1,125	8	60.4	.....	86	6	36	12	9	1.56	.....	0.81	4	0	3	22	6	3	e.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	61.2	.....	87	3	38	23	5	0.38	.....	0.18	2-3	0	4	19	11	1	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	61.0	.....	89	6	34	10	4	0.35	.....	0.35	5	0	1	22	6	3	n.	William J. Miller
West Plains	Howell	1,005	7	59.1	.....	90	6	31	13†	7	2.09	.....	1.63	2-3	0	5	21	8	2	sw.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	57.9	.....	87	6	30	10†	37	1.51	−1.78	1.14	2-3	0	3	25	5	1	s.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	61.6	+ 1.1	88	6	39	28	73	0.63	−2.13	0.51	4-5	0	3	21	4	6	n.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**60.0**	**+ 1.7**	**92**	**31**	**25**	**17†**	..	**0.96**	**−2.08**	**2.10**	**2-3**	**0**	**3**	**22**	**6**	**3**	**n.**	
State means	**and extremes**	.....	..	**59.6**	**+ 1.9**	**92**	**6†**	**25**	**17†**	..	**1.63**	**−1.23**	**4.19**	**1-2**	**0**	**4**	**22**	**5**	**4**	**sw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b], indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. ⁴ Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for October 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																														Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia (Univ. of Mo. Hort. Exp. Sta. 9 mi. WNW.)	Evaporation	.062	.078	.033	.038	.099	.240	.240	.200	.159	.113	.106	.104	.088	.156	.122	.121	.099	.123	.120	.117	.110	.090	.100	.200	.163	.202	.148	.123	.133	.137	.193	4.017
	Mean temperature	66	66	64	69	70	74	69	53	47	46	46	46	51	56	54	52	54	58	58	58	55	52	58	60	58	53	52	58	56	64	66	57.4
	Wind movement	46	50	58	53	78	167	120	54	83	69	54	89	20	72	72	46	20	41	40	28	52	53	53	156	37	55	31	25	63	46	113	1,944
Lakeside (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	70	69	66	72	70	73	65	60	51	50	48	49	53	54	58	54	54	57	58	58	56	53	58	60	60	55	56	58	58	63	64	59.1
	Wind movement	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis (Washington University)	Evaporation	.026	.072	.053	.029	.102	.159	.160	.169	.116	.093	.053	.042	.070	.075	.111	.084	.070	.062	.075	.065	.080	.070	.060	.090	.104	.138	.129	.079	.093	.077	.076	2.682
	Mean temperature	70	71	64	73	72	74	65	57	52	49	50	50	52	60	54	52	55	58	59	58	54	50	58	62	60	54	53	58	57	60	65	59.0
	Wind movement	5	8	12	19	33	14	32	26	43	35	19	20	16	15	43	22	13	7	13	16	25	32	17	37	23	35	36	19	34	16	22	707

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 61)

the least was 0.02 inch at Cape Girardeau. The greatest amount reported in 24 hours was 4.19 inches, at Carthage on the 1st-2d. The average number of days with 0.01 inch, or more, was 4.

There was no snowfall anywhere in the State during the month.

MISCELLANEOUS PHENOMENA

Aurora.—Observed on 14th.

Floods.—In Mississippi River, flood stage, or higher, prevailed at Louisiana from the 3d to 6th and on the 22d.

Fogs.—Heavy, 1st, 2d, 3d, 4th, 5th, 6th, 9th, 12th, 16th, 17th, 18th, 19th, 20th, 22d, 23d, 25th.

Frosts.—Light, 8th, 9th, 10th, 11th, 12th, 13th, 16th, 17th, 18th, 19th, 22d, 23d, 26th, 27th, 28th; heavy, 9th, 10th, 11th, 12th, 13th, 17th, 18th, 22d, 28th; killing, 9th, 10th, 11th, 12th, 13th, 17th, 22d, 28th.

Hail.—Light, on 7th at Joplin; on 11th at Jefferson City, Farmington, and Rolla.

Sleet.—11th.

Tornado.—2d. (See special tornado note.)

Windstorms.—No damaging winds other than tornado shown above were reported.

TORNADO

A small local tornado struck the southeastern section of Springfield, in mid-afternoon of the 2d, resulting in damage from wind and flood water estimated at $160,000. There was no loss of life or serious injury reported. The path of the tornado was five miles in length and about one-quarter mile wide. Wind gusts up to 60 miles per hour were reported at Weather Bureau Airport Station at Springfield. Hundreds of trees were broken or uprooted, several greenhouses and residences damaged, and power and communication lines torn down by falling trees and limbs. Torrential rain accompanied the storm and flooded basements and low areas of the city.

OBITUARY

Mr. Henry D. Llewellyn, cooperative observer at Mexico, Mo., died suddenly October 31, 1944. Mr. Llewellyn had served in this capacity since July 1, 1943 and the Weather Bureau is deeply indebted to him and other members of the Llewellyn family for the valuable and unbroken record compiled and faithfully reported by them since January 1878. At no time since establishment of the cooperative station at Mexico was it operated and maintained by anyone except a member of the Llewellyn family, a record of public service to be extremely proud of and seldom equalled by any other family. Sincere sympathy is extended to bereaved members of the family.

Daily Precipitation for October 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand		1.55	.03	.12	.09															.30												2.09
Amity[2]	....do		.05	.68	.02	.36															.42	.08									T.		1.61
Auxvasse	Missouri	T.	.89	.02	.60	.02						.01																					1.54
Bethany	Grand		1.14	.10	.42	.14																T.											1.80
Bowling Green[2]	Mississippi		.79	.63		1.08																											2.50
Brookfield[2]	Grand		*	.75		.81																											1.56
Browning	3 mi. NE		.73	.07	.73	.02						T.									T.	T.									T.		1.55
Brunswick[2]	....do		.23	1.17	.03	.23																T.									T.		1.66
Canton, Lock No. 20[2]	Mississippi		T.	.52	.01	.47																											1.00
Centralia[2]	....do			.77	.03	.58																											1.38
Chillicothe[2]	(A)			.68	.06	.03																.34											1.11
Chillicothe[2]	(B)			.38	.03	.04																.29										T.	0.74
Clifton Hill	Chariton	.12	.57	.05	.05																												0.79
Columbia [1, 5]	Missouri	.06	.81	T.	.27																												1.14
Columbia [2]	9 mi. WNW		.30	.45	.11	.22																.08											1.16
Conception	....do		1.50	.07	.14	.08															.50	T.									T.		2.29
Edgerton	....do																																...
Edina[2]	Mississippi		.23	.42	T.	.85							T.																				1.50
Elsberry	....do		*	1.27	.12	.20																											1.59
Elsberry S. C. S.[2]	....do		.66	.70	T.	.44																											1.80
Farber[2]	1 mile N		*	.79	.01	1.07																											1.87
Fayette	Missouri	.29	.81	T.	.23							.02										T										.01	1.36
Fulton[2]	....do		.24	1.49	.28	.18																.01											2.20
Gallatin[2]	Grand			.20	.04	.19															.14	.05											0.62
Grant City	....do		2.10	.02	.04	.12																											2.28
Hannibal[1]	(A)	.06	.40	.07	1.44																												1.97
Hannibal[2]	(B)		T.	.52		1.50																											2.02
Hermann[2]	Missouri		.01	1.12		.37																											1.50
Kahoka[2]	Mississippi		.05	.55	1.40																											T.	2.00
Kansas City Airport[1, 5]	Missouri	T.	.71	.01	.27	T.						T.									.04	T.											1.03
Kansas City University	...do	.04	.68	.02	.26																.02												1.02
Kidder[2]	Grand			.37	.13	.17															.40	.09											1.16
King City	Missouri	.01	.08	.66	.70																.06										T.		1.54
Kirksville	Mississippi	T.	.40	.05	.43	.23						.05										T.											1.16
Knoxville[2]	Missouri		.65	.09	14	T.															.07	.23									T.		1.18
LaBelle[2]	Mississippi			.50	T.	1.25																T.										T.	1.75
Lawson	Missouri	T.	.51	.10	.27																.30	.12											1.33
Linneus[2]	Grand			.50	*	1.10																.10											1.70
Louisiana	(A)		.66	.44	.10	.75																											1.95
Louisiana[2]	(B)		.18	.99		.78																											1.95
Lucerne[2]	Grand		.31	1.50		.10																											1.91
Macon[2]	Chariton		T.	.96	T.	1.06																											2.02
Madison[2]	Mississippi		.04	1.12	.02	.51																											1.69
Martinsburg[2]	Missouri		.21	.56	T.	.37						T.																					1.14
Maryville	....do		2.99	.12	.15	.10															.27										.05		3.68
Memphis[2]	Mississippi		.07	.60		.77																											1.44
Mexico[2]	....do	.03	1.02	1.17	.03	.84						.05																					3.14
Milan[2]	Grand		.73	.42	.10	.62																											1.87
Moberly[2]	3½ mi. NE		T.	1.20	.22	.14																										T.	1.56
Monroe City	...do		.83		.17	.59															.03											T.	1.62
New Florence[3, 5]	1 mi. SE	.25	.96	T.	1.34							T.																					2.55
Oregon	do		.29	.24	.22																.45	.02											1.22
Palmyra	Mississippi		*	.45	*	.82																T.										.03	1.30
Paris[2]	....do			.99	.01	1.61							T.																				2.61
Perry	1 mile E		.05	.76	.10	1.65																											2.56
St. Charles[2]	Missouri		.21	.36	.03	.79							.40																				1.79
St. Charles[2]	(B)	T.	.15	.36		1.21							.11																				1.83
St. Joseph[1, 5]	...do	.04	.90	.05	.22	.02															.31	.02	.02										1.58
Saverton, Lock No. 22[2]	Mississippi		.31	.88	.02	1.84																	T.										3.05
Shelbina	....do		.92		.51							T										T.											1.43
Shelbyville[2]	....do			1.78		1.15																											2.93
Steffenville	....do	.01	2.32	.06	.11	.56																T.										T.	3.06
Tarkio[3]	Missouri	.01	2.36	.04	.27	.12															.40											.02	3.22
Trenton[2]	Grand		.50	.28	.09	.39																.39											1.65
Troy[2]	Mississippi		.28	.37	T.	.16																											0.81
Unionville[2]	Chariton		.24	1.15	.01	.22																											1.62
Vandalia	Mississippi		.94	.01	.32	.48																											1.78
Warrenton	....do		.71	.01	.01	.16							T.																				0.89
Keokuk, Iowa[1]	...do	T.	.65	T.	.42	.01																T.										.02	1.10
Southwestern Division																																	
Altoua[2]	Osage		.83	1.44	.23	.19																											2.69
Anderson[2]	1½ mi. SW			1.14	.74	.94		.09				T.										.01											2.92
Appleton City	Osage	1.62	1.09		.35																.05												3.11
Ava Ranger Station[2]	White			2.64																		1.20											3.84
Bakersfield[2]	....do			.61	.49								.05										.05										1.11
Bolivar	Osage	.13	.98	.04	.04							T.										T	.12										1.31
Boonville[2]	(A)			.80	.05	.06																	.20										1.11
Boonville[2]	(B)		T.	.82	.02	.10						T.											.22										1.16
Buffalo[2]	Osage		1.05	.75	.06	.16																											2.02
Butler[2]	....do	.02		1.70	.18								T								T.												1.90
Caplinger Mills[2]	....do		.57	.99	.13	.03																T.											1.72
Carthage	Neosho	.34	3.85	.52	.25																												4.96
Clinton[3]	Osage	.22	1.42	T.	.22																.07	T											1.93
Concordia	Missouri		*	.86	.04	T.															*	.12											1.02
Crocker	Osage		1.80										.28																				2.08
Eldon[2]	Missouri		1.28	.02		.32							.01									.02											1.65
Eldorado Springs	Osage	.78	1.93		.17																T.												2.88
Elijah[2]	White			1.36	.93	.09																	.17										2.55
Fort Leonard Wood[2]	Gasconade			.54		.10							T.									.01											0.65
Galena[2]	White		1.63	2.48	1.69	.14																											5.94
Granby[2]	....do		.43	2.22	.52	.11																.13											3.41
Hailey	....do	.11	.87	1.32	.22							.10									.34												2.96
Harrisonville[2]	Osage			1.00	.25	.11																											1.36
Jefferson City[2]	Missouri		.77	2.23	.13	.11							.08																				3.35
Joplin[1]	Neosho	.75	3.26	.03	.15				.30												T.												5.09
Lakeside[2, 5]	Osage	T.		1.28	.05	.15							.15									T											1.63
Lamar[2]	Neosho		.10	1.40	.18	.22																.05											1.95
Lebanon	Osage	.03	.80	.09	.21							.18																					1.26
Lexington[2]	Missouri		.04	1.12	.06	.08															.12	.10											1.52
Lockwood[4]	Osage	T.	1.16	.68	.29																.15	.03											2.23
Macomb[2]	White		.10	1.13	.25	.19																.38											2.05
Marshall	Missouri		1.14	T.	.21																	.06											1.41
Marshfield[2]	White		.01	1.49	.38																	.37											2.25
Mountain Grove	....do		.54	.57		.42		.32				.04										.02											1.91
Mount Vernon[2]	Neosho		.03	2.52	.30	.25																	.25										3.35
Neosho	...do		2.28	1.53	.25							.02									.14	.03											4.25
Nevada	Osage	.06	1.55	.08	.29							T.									T.	.02											2.00

Continued on next page

Daily Precipitation for October 1944 — Continued from preceding page

Station	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division — Concluded																																	
Osceola[2]	Osage		.60	1.07	.10	.02																.05											1.84
Ozark Beach[2]	White			1.54	.73	.01							.12									.07											2.50
Pierce City[2]	Neosho		.08		1.04	.75		T.														.57											2.43
Pleasant Hill[2]	Osage		.16	1.20	.30	.18															.10												1.94
Roby	Gasconade		.78	.04		.55		T.				.07	T																				1.44
St. Thomas[2], 2¾ mi SW	Osage			.54	T.	T.							.31																				0.88
Sedalia	Missouri		.86		.03																	.02											0.91
Seligman	Neosho		.71	2.68	.12			.90													T.	.21											4.62
Seymour	3½ mi. NE White		.12	.31	.36	.88	.12		.53			.03										2.45											4.85
Shell Knob[2]	3 mi. SE ....do				2.32	1.12	.13		T.			T.										.13											3.70
Siloam Sprgs Lookout[2]	....do				1.70		.33		.35		T.																						2.38
Springfield[1, 5]	½ mi. E ....do		.03	2.36	.49	.16						T									.03	.09											3.16
Stover[2]	Missouri		.05		1.95	.05																											2.05
Sweet Springs	....do		.05	.65	.03	.07	.02														T.											.05	0.85
Tecumseh[2]	¼ mi. W White																				.13	.01											0.17
Topaz[2]	....do																																
Vanzant[2]	3¾ mi. SE .do				2.01	.18	.26		.10				.05																				2.63
Warrensburg	Missouri		.73		T.	.07	.10														T	.09											1.59
Warsaw[2]	(A) Osage		T.		1.30	.02																T.											1.32
Warsaw[2]	(B) ....do		.02		1.17	.02																.05											1.26
Wasola	White		1.90	1.43	.18	.32																.03											3.86
Waverly[2]	Missouri				.90	.05	.05															.05											1.05
Wilderness Lookout[2]	White		.83	*	3.28	.18						T.										T											4.29
Southeastern Division																																	
Advance[3]	¼ mile W St. Francis		T.				.39		T.																								0.39
Alton	10 miles SE Black			1.37			.21		.04				.19																				1.81
Annapolis (1)	St. Francis			.50				.10																									0.60
Annapolis[2] (2)	.7 mi. W Black																																
Arcadia[2]	St. Francis					.21	.21					T.	.08																				0.50
Banner[2]	Black			.31	.06			.68																									1.05
Belleview	Meramec			.25	.05	.03		.04				.06	T.																				0.43
Bernie[2]	St. Francis					.37		.50																									0.87
Birch Tree	½ mile E Black		.42	.17		.19						.10										.01											0.89
Black	9 miles NW ....do		.24	.06	.10	.48																											0.88
Bloomfield[2]	St. Francis																																
Bunker[2]	4 miles NW Black			1.01	.07	.23							.02																				1.36
Campbell	St. Francis			.80		.26		.38				T.	.09																				1.53
Cape Girardeau[2]	Mississippi			.02		T.																											0.02
Caruthersville[2]	....do				.33	.45	.10	1.42																									2.30
Centerville[2]	Black			.60	.11	.08																											0.79
Cook Station[2]	Meramec			.44		.26																											0.70
Crane Mountain[2]	St. Francis			.34		.10							.01																				0.45
Crystal City	Mississippi		*	.25	T.	.30						.04																					0.59
Cuba	Meramec		.43	.28		.55						.12																					1.38
Deering[2]	St. Francis			.11				.54																									0.65
De Soto[2]	Mississippi			.23	.01	.26							T.																				0.50
Dexter[2]	St. Francis				.27		1.02	.08																									1.37
Doniphan	Black			2.10	.20	.11		.11				.09	.02																				2.63
East End[2]	Meramec			.35																													0.35
Ellington[2]	Black																																
Ellsinore Lookout[2]	....do			.32																													0.32
Farmington	St. Francis		.07	.11		.01						.18																					0.40
Fisk[2]	....do			.79	.13	.06	.11	.32					.06																				1.47
Fredericktown[2]	...do			.20		.07	.03																										0.30
Gerald[2]	Meramec		.09	.50		.48																											1.07
Greenville[2]	St. Francis			.20		.15	.30																										0.65
High Lookout[2]	Black			*	.97								.09																				1.06
Jackson	Mississippi					.42																											0.42
Jefferson Barracks[2]	Mississippi			.11		.37																											0.48
Jerome[2]	Gasconade			.86		.22							.24																				1.32
Koshkonong	Black		1.00	.60								.05																					1.65
Leeper[2]	...do			.54	.16			.08					.10																				0.88
Licking	4 miles N Gasconade			.92	.23	.45						T.																					1.60
Macedonia Lookout[2]	Black			.46	.83			.20					.15																				1.64
Malden[3]	4 miles NNW Mississippi		.03	.18		.12		.45				.02	T.																				0.80
Marble Hill	....do			.20		.27																											0.47
Meramec Park[2]	Meramec		.03	.37	T.	.27																											0.67
Morehouse	Mississippi				.03	.23						T.																					0.26
Moselle[2]	Meramec			.82		.60																											1.42
New Madrid[2]	Mississippi			T.		.90		T.					.05																					0.95
Owensville[2]	Gasconade			.85		.40																											1.25
Pacific[2]	Meramec		*	1.05		.70																											1.75
Parma[2]	St. Francis			.13	.17			.38																									0.68
Perryville	Mississippi		.01			.68						.04																					0.76
Pilot Knob[2]	2 mi. NE St. Francis			.20	.22																												0.42
Poplar Bluff[2]	(A) Black		T.	.62	.08			.28					.08																				1.06
Poplar Bluff[2]	(B) ....do			.56	.14			.18					.06																				0.94
Puxico[2]	St. Francis			.08		.51	.15																										0.74
Qulin[2]	....do			.24			.72																										0.96
Reynolds[2]	Black			.70	.15		.36	T.																									1.21
Richwoods[2]	Meramec			.39		.50																											0.89
Rolla[2]	....do			.83	.27	.68							.22																				2.00
Round Spring[2]	Black			.88	.12			.10	.08			.10																					1.28
St. Louis City Office[1, 5]	Mississippi		.05		.05	.61						.07																					0.78
Airport[3, 5]	Missouri		.28	T.	.67	.05	T.					.07																				T.	1.07
St. Louis Univ.[1, 5]	Mississippi		.10		.04	.34						.11																					0.59
Washington Univ.[2]	....do			.16	.02	.40							.09																				0.67
Salem	Meramec		.31	.08		.29						T.																					0.68
Sikeston[2]	Mississippi			.06		.05	.04						T.																					0.15
Steelville[2]	2½ mi. NE Meramec			.32		.40							.01																					0.73
Summersville	Black		1.06	.47				.58														.15											2.20
Union	1½ mi. SE Meramec		.50	.31		.64																											1.45
Valley Park[2]	....do			.16		.79							T.																					0.95
Van Buren	Black		.34	.34			.72																											1.40
Vichy[3]	2 miles NW Meramec		.72	T.	.81							.03																						1.56
Wappapello Dam[2]	St. Francis			.18	.07		.01	.09																										0.38
Weingarten	Mississippi					.35																												0.35
West Plains[3]	Black		1.00	.63	.01		.30					.15																						2.09
Williamsville[2]	....do			.28	.14	.12	.01	.15					.03																						0.76
Willow Springs[2] 500 ft E	White			1.14		.25							.15										T											1.54
Winona Ranger Sta.[2]	Black			.43	.02								.06																					0.51
Zalma[2]	Mississippi			.04		.42	.15																											0.61
Cairo, Ill.[1, 5]	....do			T.	.32	.19		T.				.12																						0.63

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for October 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick/	Maximum	77	66	62	78	77	81	72	65	59	59	58	64	75	76	68	72	74	80	77	65	67	68	75	74	74	70	73	82	75	82	81	71.8
	Minimum	59	61	58	58	59	59	52	46	41	37	37	35	34	37	46	42	38	38	42	49	50	41	41	51	46	45	38	37	43	47	51	45.7
Chillicothe/	Maximum	71	63	61	75	77	79	72	65	59	60	57	65	76	76	64	70	73	80	72	65	66	66	76	73	71	70	74	82	85	82	83	71.2
	Minimum	55	59	54	55	56	58	47	43	38	33	34	33	35	40	43	38	39	39	49	49	47	39	39	39	46	38	39	40	46	47	56	44.3
Columbia	Maximum	74	71	65	77	79	88	72	64	59	58	55	62	70	73	65	69	73	77	78	73	64	65	78	75	75	67	70	81	75	81	83	71.5
	Minimum	60	60	58	59	60	60	48	44	38	35	40	32	37	45	44	41	44	43	48	49	48	42	48	49	47	42	37	44	48	56	59	47.3
Fayette	Maximum	78	76	63	79	79	86	77	68	59	59	57	64	72	74	65	69	71	78	79	74	65	64	76	73	74	73	72	81	74	79	80	72.2
	Minimum	59	61	58	59	59	61	44	40	38	35	40	34	35	46	43	38	38	39	45	46	46	38	43	49	44	40	37	41	45	48	54	45.3
Grant City	Maximum	77	58	58	70	73	81	71	67	60	60	59	64	77	72	65	69	73	78	74	68	67	67	78	76	70	72	73	81	75	78	81	70.7
	Minimum	53	53	50	56	54	50	42	41	32	32	42	33	38	41	41	49	41	49	42	48	47	36	50	43	49	39	38	46	45	49	48	44.4
Hannibal	Maximum	80	66	62	72	77	85	71	56	54	57	55	61	69	71	61	66	70	77	72	67	65	60	75	71	68	65	64	80	68	76	80	68.4
	Minimum	55	57	55	57	59	60	48	41	40	41	39	34	40	48	39	36	38	44	45	44	47	35	42	47	50	37	39	44	40	44	56	45.2
Kansas City Airport.	Maximum	70	65	61	74	81	78	72	67	60	60	58	64	77	75	67	72	77	81	75	64	67	71	78	80	74	68	77	84	85	81	82	72.4
	Minimum	59	60	57	69	59	57	50	47	40	39	42	38	46	53	51	46	43	54	52	53	50	40	56	49	50	45	41	50	48	57	58	50.0
Kirksville	Maximum	73	62	59	69	75	80	75	67	58	60	58	65	75	77	66	67	70	79	66	68	68	64	76	74	70	69	70	82	72	80	79	70.1
	Minimum	58	56	54	57	57	59	47	43	40	34	42	34	40	49	40	36	42	47	46	45	47	36	46	46	46	49	39	39	49	42	49	55	45.9
Lawson	Maximum	71	64	61	72	77	79	72	67	61	61	54	64	76	77	68	74	75	80	74	67	66	68	76	78	74	71	74	82	81	79	82	71.8
	Minimum	59	57	54	58	55	60	41	42	35	31	41	31	39	48	45	42	40	47	50	51	50	37	50	46	49	37	38	47	50	53	51	46.4
Louisiana	Maximum	80	78	68	78	79	87	80	66	55	57	60	69	73	75	65	69	76	73	73	66	64	76	72	70	66	66	79	78	74	75	71.2
	Minimum	56	62	59	61	63	62	48	48	42	38	37	31	33	46	42	30	31	34	40	65	42	30	35	52	40	35	31	30	38	39	38	43.2
Macon/	Maximum	78	63	61	73	76	82	72	63	59	61	57	63	72	76	62	68	71	78	75	69	68	65	75	74	72	70	72	80	71	80	80	70.5
	Minimum	57	58	56	56	58	60	50	43	40	35	35	35	36	41	41	36	36	38	48	45	45	35	36	47	47	40	39	38	42	41	49	44.0
Maryville	Maximum	70	57	57	70	70	72	68	61	58	56	56	60	73	71	63	67	71	74	65	62	64	64	75	71	67	68	72	76	75	74	78	67.3
	Minimum	51	51	48	53	52	53	43	38	33	30	39	30	35	45	42	42	40	46	46	46	46	36	47	42	46	40	40	41	47	47	44	43.2
Mexico/	Maximum	80	73	63	76	80	89	73	60	61	61	60	65	73	73	64	67	72	79	75	68	64	60	76	75	72	67	69	80	70	..	..	[b]70.5
	Minimum	57	59	59	59	60	60	49	45	40	35	36	33	32	40	42	35	34	34	43	43	44	38	44	49	48	49	38	39	45	42	..	[a]44.4
Moberly/	Maximum	78	66	62	74	77	83	72	63	62	58	58	62	70	74	62	66	69	76	75	69	67	71	75	73	72	70	70	81	72	79	79	70.5
	Minimum	57	61	57	58	59	61	47	42	38	34	39	36	37	49	42	35	37	45	47	44	48	35	41	45	46	38	36	45	41	46	54	45.2
Oregon	Maximum	73	65	73	75	78	76	68	66	60	60	58	65	77	70	65	70	72	75	73	61	65	67	78	75	73	68	73	79	80	80	79	70.9
	Minimum	54	53	50	54	55	62	46	41	35	32	40	34	40	47	46	44	46	55	48	49	48	38	51	45	48	41	41	48	54	57	49	46.8
St. Charles/	Maximum	85	76	64	83	85	90	77	62	61	52	60	67	73	78	66	70	73	81	78	62	71	68	65	60	77	70	68	51	72	59	57	69.7
	Minimum	57	62	62	61	62	60	55	47	45	40	40	37	35	39	44	36	35	36	41	44	41	41	36	40	43	42	36	37	37	44	50	44.7
St. Joseph	Maximum	61	64	58	73	79	76	70	66	61	59	57	64	76	77	69	75	76	77	69	62	68	69	79	78	74	72	75	81	84	79	83	71.3
	Minimum	56	56	53	58	57	54	48	45	38	36	41	34	43	49	48	46	47	56	51	51	47	40	56	49	51	45	40	51	51	59	55	48.7
Trenton	Maximum	75	62	60	70	76	81	78	75	62	60	62	65	78	75	66	70	73	80	76	67	68	67	77	76	72	72	74	82	74	81	81	72.1
	Minimum	60	58	54	58	55	59	64	43	39	33	42	31	36	48	43	41	30	43	50	49	48	36	42	46	47	37	37	48	44	44	49	45.6
Unionville/	Maximum	75	64	60	70	75	82	77	65	63	68	60	65	80	81	70	75	78	80	72	70	70	70	77	77	76	77	78	83	78	83	83	73.6
	Minimum	52	55	50	50	57	55	46	39	38	32	32	32	30	33	40	37	34	36	42	45	40	35	32	41	42	37	35	40	43	40	42	40.7
Warrenton	Maximum	84	82	69	79	82	88	81	65	62	58	60	63	69	76	65	65	70	79	75	70	67	62	77	77	77	68	67	81	77	75	83	72.7
	Minimum	52	64	61	59	63	60	49	48	39	33	36	32	38	42	41	30	32	36	41	39	37	30	39	48	45	34	32	39	41	46	47	43.0
Keokuk, Iowa	Maximum	77	63	61	68	76	81	71	52	53	56	58	62	72	69	60	66	70	77	65	66	66	60	74	71	67	67	66	75	66	72	78	67.3
	Minimum	59	57	56	59	63	59	50	46	44	42	43	35	43	50	43	40	41	50	51	48	45	38	49	49	50	40	45	50	42	48	61	48.3
Southwestern Division																																	
Clinton	Maximum	78	71	68	79	75	87	76	71	63	62	57	64	72	79	71	72	75	78	79	64	66	71	75	78	76	70	74	82	83	80	81	73.5
	Minimum	61	60	62	59	59	59	50	43	38	33	38	31	36	48	50	44	40	40	47	45	48	40	46	46	45	43	35	41	42	52	54	46.3
Eldon/	Maximum	81	76	67	83	81	89	74	69	60	61	58	65	71	81	67	68	75	80	80	76	68	70	77	79	76	69	72	81	77	82	83	74.1
	Minimum	57	59	63	62	57	58	52	46	40	38	37	37	37	42	47	36	38	38	41	45	45	40	39	43	48	42	40	40	41	48	51	45.5
Harrisonville/	Maximum	78	67	78	74	79	84	75	69	64	63	58	64	75	78	68	71	75	78	81	67	66	70	78	80	76	70	75	82	85	81	81	73.9
	Minimum	58	59	57	57	58	57	46	41	37	34	35	33	34	37	49	44	43	42	48	48	50	41	41	41	46	42	42	45	48	51	56	45.9
Jefferson City/	Maximum	76	79	69	85	81	89	74	68	63	61	59	64	71	78	67	71	74	79	78	76	69	66	78	77	78	70	72	72	75	80	84	73.7
	Minimum	57	63	63	62	61	61	51	45	39	35	36	35	35	36	45	40	38	38	43	46	46	40	45	47	47	44	37	38	42	46	53	45.6
Joplin	Maximum	87	77	72	73	80	86	73	70	64	62	56	63	69	80	79	75	76	77	81	67	67	73	75	82	87	74	77	80	82	79	80	74.9
	Minimum	67	68	66	65	63	69	58	50	47	46	46	41	42	56	54	53	47	48	51	55	54	48	54	59	55	53	49	49	54	58	63	54.5
Lamar/	Maximum	82	78	74	73	80	89	76	72	65	65	58	63	71	81	75	76	75	78	80	67	69	73	75	81	86	75	78	84	85	82	83	75.8
	Minimum	58	63	62	62	58	61	53	45	39	38	37	34	34	35	48	47	41	40	42	46	46	39	39	49	48	45	37	37	42	46	50	45.8
Lebanon	Maximum	85	81	78	81	80	87	85	68	66	59	58	61	69	79	70	70	72	79	79	77	71	70	77	78	80	75	71	78	81	78	80	74.9
	Minimum	56	64	64	65	61	59	56	40	35	31	37	31	38	47	47	38	36	43	42	44	50	39	46	47	50	42	35	38	48	52	54	46.6
Lexington/	Maximum	76	66	63	76	80	82	75	70	64	64	67	66	77	79	70	75	78	82	79	65	69	70	79	80	77	72	76	85	82	82	83	74.5
	Minimum	56	60	59	57	59	60	50	45	39	37	38	36	37	47	47	46	42	47	52	52	52	41	44	50	51	43	41	43	49	55	54	48.0
Marshall	Maximum	..	78	67	80	79	84	79	..	72	63	58	..	71	73	..	77	..	79	78	76	65	67	77	76	74	72	72	81	80	81	82	[e]74.7
	Minimum	..	60	57	60	57	63	51	..	39	36	43	..	35	62	..	40	..	42	49	47	51	36	41	49	50	41	40	45	47	57	59	[e]48.3
Mountain Grove	Maximum	83	80	77	81	80	86	85	76	67	60	60	61	67	79	70	69	71	77	77	76	73	66	74	79	83	80	71	77	82	79	79	75.0
	Minimum	60	64	63	66	62	59	56	49	36	32	38	35	33	45	49	44	43	44	43	44	49	41	45	52	50	47	37	45	52	53	52	48.0
Neosho	Maximum	89	82	80	76	81	88	86	73	69	64	62	62	71	82	80	77	75	78	80	75	67	74	75	81	86	89	85	80	81	81	81	77.7
	Minimum	62	62	65	64	59	62	57	40	36	38	35	31	33	45	44	46	37	39	42	43	50	38	46	53	45	49	35	37	45	40	50	46.1
Nevada	Maximum	84	82	70	74	82	89	82	72	65	63	61	65	73	83	74	76	78	80	82	72	68	74	77	81	80	76	78	85	84	81	83	76.6
	Minimum	64	62	63	61	60	61	49	44	39	36	39	34	38	49	52	47	41	41	47	49	51	39	47	45	47	46	36	42	47	52	57	47.9
Sedalia	Maximum	90	80	68	82	80	88	83	70	65	60	57	64	71	77	74	71	74	77	80	75	66	69	75	76	76	73	74	83	80	80	83	74.9
	Minimum	62	65	59	62	59	62	47	42	38	33	41	32	39	49	48	43	43	44	50	46	49	41	49	48	48	41	38	45	45	55	55	47.7
Springfield ..½ mile E	Maximum	84	80	79	76	80	87	71	67	69	59	55	59	68	79	73	70	69	76	78	75	65	68	73	77	82	72	70	77	80	77	79	73.1
	Minimum	62	65	64	62	59	58	50	44	37	34	37	34	42	52	45	41	42	43	45	45	42	46	49	47	47	40	42	47	50	53	47.0
Warrensburg	Maximum	82	79	68	78	79	86	76	75	76	60	59	62	71	75	74	72	74	79	80	77	65	70	78	76	77	74	74	83	82	81	80	74.9
	Minimum	62	60	58	61	59	61	50	45	39	37	43	36	41	50	49	43	43	48	50	50	50	41	51	50	50	43	41	47	43	55	57	48.8
Southeastern Division																																	
Arcadia/	Maximum	85	86	77	85	85	90	78	76	68	64	62	69	76	85	73	77	79	85	84	80	75	70	80	87	87	79	76	80	80	76	92	78.9
	Minimum	55	56	59	64	65	59	60	48	39	30	32	36	30	30	40	30	29	29	29	33	29	35	30	32	38	38	33	29	35	37	38	39.6
Birch Tree .. ½ mile E	Maximum	85	82	82	85	83	87	80	71	62	..	62	62	69	80	71	70	74	79	80	77	70	..	75	86	..	77	77	84	82	75	81	[e]76.7
	Minimum	55	62	65	64	63	58	61	39	35	..	..	36	29	33	49	35	30	30	35	39	62	..	35	39	..	40	44	41	45	42	40	[d]44.5
Carutherstville/	Maximum	82	82	76	85	83	87	71	70	61	57	61	61	67	78	70	67	73	76	77	76	68	66	73	80	83	72	65	75	74	76	80	73.4
	Minimum	60	62	62	66	66	69	65	59	44	40	39	42	45	49	41	45	42	43	43	46	46	45	40	42	48	47	40	35	36	45	46	47.7
Crystal City	Maximum	88	85	78	82	82	91	83	70	63	58	64	64	71	82	77	72	74	81	83	78	75	65	79	80	82	78	74	83	79	78	84	76.9
	Minimum	53	63	65	61	62	55	56	44	41	36	35	32	30	38	41	30	29	30	34	35	34	34	30	50	32	33	30	29	41	36	40	40.6
Doniphan	Maximum	87	83	86	87	85	91	84	73	69	60	62	66	72	82	74	74	73	78	81	80	73	69	79	87	87	79	84	87	78	81	82	78.5
	Minimum	55	56	65	66	67	60	62	42	37	32	32	36	33	34	50	34	30	30	34	34	42	39	32	41	38	39	31	29	39	38	39	41.8
Farmington	Maximum	84	84	73	84	81	91	79	68	60	55	61	60	69	81	70	66	73	80	77	74	66	64	76	82	82	69	65	79	80	76	81	74.0
	Minimum	57	63	66	63	67	61	59	46	40	34	36	37	32	38	43	33	30	31	36	41	41	39	37	58	41	44	41	34	43	41	48	44.5
Jackson	Maximum	84	85	81	87	82	88	86	73	69	58	63	62	68	80	78	68	80	80	79	75	77	78	75	82	85	82	66	79	78	75	82	76.9
	Minimum	56	67	67	63	69	68	63	45	40	38	39	37	37	36	45	36	32	32	37	43	35	37	32	49	40	42	34	30	45	36	44	44.3
Poplar Bluff	Maximum	86	87	80	87	85	91	78	80	65	64	63	66	74	81	72	72	71	81	83	81	72	71	76	85	89	76	70	82	72	80	82	77.3
	Minimum	56	59	65	66	65	62	63	47	40	35	34	37	37	37	49	38	36	33	37	43	42	42	33	48	40	44	37	31	48	40	41	44.7
Rolla/	Maximum	85	80	73	84	82	88	74	68	60	60	54	62	70	89	67	67	72	80	78	74	68	66	76	78	80	70	70	81	77	77	81	73.6
	Minimum	58	64	64	64	62	61	54	46	39	36	38	36	37	45	45	40	38	45	48	47	48	41	43	52	48	45	42	44	47	49	52	47.7
St. Louis	Maximum	81	89	70	83	83	88	72	60	57	54	60	60	68	75	66	69	73	78	78	70	65	62	76	73	74	65	63	78	68	73	81	71.2
	Minimum	57	67	62	62	67	66	59	47	47	45	44	43	45	50	44	44	45	50	51	50	48	43	46	57	55	48	45	47	45	48	54	51.0
Salem	Maximum	84	77	76	84	83	89	77	67	62	59	56	61	69	81	72	70	74	80	81	75	68	67	76	78	81	70	69	79	78	76	82	74.2
	Minimum	58	64	65	66	62	56	57	45	39	32	35	34	30	40	45	33	30	34	36	38	47	38	40	50	40	37	31	45	40	45	50	43.9
Sikeston/	Maximum	86	86	81	89	83	82	77	75	60	57	62	62	65	78	82	70	74	82	80	79	71	69	77	84	88	73	68	77	78	79	84	76.1
	Minimum	57	59	61	61	67	66	65	42	37	34	38	35	37	40	40	38	39	35	38	41	37	37	34	35	43	42	36	33	33	40	43	43.4
Union .....1½ mi. SE	Maximum	86	81	70	83	85	89	84	66	61	57	61	62	70	89	70	68	70	79	78	76	72	64	78	77	79	63	68	80	74	78	84	74.4
	Minimum	53	64	61	61	63	56	52	45	40	33	35	32	30	35	41	31	29	29	34	36	36	32	32	45	36	32	30	30	43	38	40	40.5
West Plains	Maximum	85	83	79	84	84	90	75	71	63	63	55	67	70	81	72	70	72	79	81	79	71	71	76	82	86	76	74	80	83	77	82	76.2
	Minimum	54	63	64	67	63	52	46	40	36	32	33	35	31	37	42	35	31	31	36	38	46	40	36	44	40	39	32	32	44	42	40	42.0
Cairo, Ill.	Maximum	82	82	80	85	83	88	75	71	57	54	61	62	69	79	69	70	73	77	79	76	68	65	72	79	83	69	65	75	74	73	80	73.4
	Minimum	60	64	68	67	71	70	55	49	46	42	43	41	45	45	49	43	42	42	47	51	44	45	41	54	48	46	42	39	49	45	51	49.8

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [e], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis. 11-29-44—1000.

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Nat'l Weat
JAN 3 1945

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 MISSOURI SECTION
H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII NOVEMBER 1944 No. 11

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The outstanding features of November 1944 were the unusually large number of cloudy days, the exceptionally late occurrence of the first general killing frost, or freeze, and the mild, open weather which prevailed during much of the month. Sunshine was decidedly deficient. Precipitation though quite frequent, was irregularly distributed, with very little snowfall, except in the more northerly counties. There were no damaging storms or overflows, and no unusual temperature extremes.

It was the warmest November since 1942 and the second warmest of the past ten years. All three divisions of the State averaged approximately 2° warmer than their respective normals, while a few individual stations had monthly averages of 5° or more above normal. Temperatures averaged considerably higher than normal the first half of the month, while the latter half averaged slightly colder than normal, as a rule, with the only cold wave of the month occurring on the 30th, when the lowest readings occurred. The 1st was the warmest day of the month, at most stations, although the 2d, 12th, 13th, and 14th were also warm.

Precipitation averaged slightly less than normal for the State as a whole. However, the Northern Division received 0.67 inch more than normal, while in the Southwestern and Southeastern Divisions there was a deficiency of 0.62 inch and 1.03 inches, respectively. Most of the month's precipitation was from rain, snowfall being very light, except locally in a few extreme northwestern counties, where amounts of one to two inches occurred. The snow quickly melted and at no place was the ground covered for more than a day or two. Low water supplies were generally replenished by the frequent precipitation during November.

Wheat, other fall-sown small grains, and pastures were greatly benefited by the month's precipitation, following the unusually dry October, and made very good growth and afforded much pasturage for livestock. The mild, open weather was very favorable for gathering and harvesting of corn and lespedeza seed, and excellent progress was made in this work, with an all-time record of production reported for the latter crop. The corn crop was yielding better than previously expected, and production was estimated to be the highest since 1932, according to the report of the Bureau of Agricultural Economics. Due to the unusually late occurrence of the termination of the growing season, some rather freakish horticultural happenings were reported as follows: some fruit trees bloomed a second time, strawberries, raspberries, blackberries, and tomatoes ripened, string beans and other ordinarily tender garden truck continued to bear, and roses bloomed, until the first general killing frost and freeze on the 24th or later.—M. R. W.

TEMPERATURE

The monthly mean for the State, 96 stations reporting, was 47.0°, or 2.6° warmer than the 57-year November average. The highest monthly mean was 51.3° at Neosho, and the lowest was 41.0° at Maryville. The highest temperature reported was 88° at Arcadia on the 1st, and the lowest was 1° at Tarkio on the 30th.

(Continued on page 69)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity §			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.50*	30	29.65*	14	8.2	21	s.	7	82*	70*	73*	20	581
Kan. City Airp't.	30.55	30	29.51	12	11.5	34	sw.	7	76	64	66	37	556
St. Joseph	30.57*	30	29.51*	13	10.0	27	w.	14	83*	67*	74*	43	614
St. Louis	30.46*	30	29.70*	8	12.0	33	sw.	2	75	65	67*	30	552
Springfield	30.50	30	29.61	8	11.9	32	s.	24	84	70	76	42	550
Cairo, Ill.	30.41	30	29.71	9	8.4	28	s.	8	81	65	..	45	479
.....	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. § C. S. T.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	41.6	87	15	3.39	2.57	2.95	4.64	....	7	..	..	..
1889	39.9	76	6	3.52	3.16	3.12	4.29	0.6	7	..	..	..
1890	46.5	80	14	2.38	1.96	2.48	2.70	T.	5	..	..	..
1891	39.6	82	− 7	4.14	2.67	3.24	6.51	....	8	..	..	..
1892	40.1	79	9	2.75	2.17	2.14	3.95	1.0	6	11	7	12
1893	40.9	79	− 1	1.70	1.32	1.60	2.17	0.3	4	14	9	7
1894	41.0	80	3	1.56	1.59	1.71	1.39	T.	4	15	9	6
1895	41.6	82	− 4	3.60	2.62	3.42	4.76	3.2	8	10	7	13
1896	42.3	82	− 5	2.43	1.47	2.30	3.53	0.2	6	11	7	12
1897	43.4	82	− 3	2.63	1.92	2.02	3.96	T.	6	13	8	9
1898	39.9	79	− 8	2.32	2.03	2.43	2.50	2.3	6	14	8	8
1899	49.5	82	16	2.02	1.38	2.00	2.67	0.2	7	11	9	10
1900	43.7	84	7	2.99	1.52	2.71	4.75	0.2	6	15	7	8
1901	43.6	84	9	1.48	0.99	1.63	1.82	0.3	4	17	7	6
1902	50.1	85	18	3.73	3.05	3.64	4.51	0.4	9	8	9	13
1903	40.9	79	2	1.27	1.24	1.09	1.48	1.1	5	13	8	9
1904	46.3	83	11	0.22	0.18	0.24	0.24	T.	2	21	5	4
1905	45.8	83	2	1.87	2.36	1.35	1.89	T.	6	18	6	6
1906	42.5	88	− 3	3.56	2.55	2.68	5.44	5.0	8	12	6	12
1907	43.8	88	11	2.24	1.39	1.91	3.43	T.	4	19	4	7
1908	47.6	87	9	3.90	2.70	4.67	4.33	0.2	8	15	7	8
1909	53.6	87	11	4.32	3.92	4.98	4.05	0.4	8	12	7	11
1910	42.0	83	11	0.35	0.31	0.22	0.52	0.1	3	15	8	7
1911	39.1	83	− 3	2.63	2.07	2.78	3.04	1.1	7	13	6	11
1912	45.9	85	12	1.50	1.46	1.31	1.73	0.1	3	20	5	5
1913	51.7	80	11	2.71	2.61	2.69	2.83	T.	7	10	8	12
1914	48.6	89	2	0.69	0.36	0.64	1.08	0.1	3	19	6	5
1915	49.5	87	12	2.83	2.30	2.78	3.42	0.1	5	16	7	7
1916	46.9	85	3	2.46	2.25	2.63	2.51	0.1	4	19	4	7
1917	46.1	80	8	1.23	0.10	1.61	1.98	T.	3	14	5	11
1918	44.9	85	12	3.26	2.85	4.14	2.78	1.2	6	15	4	11
1919	42 2	78	2	3.57	3.06	3.19	4.45	1.0	6	15	5	10
1920	40.9	82	6	1.06	1.64	0.82	0.73	T.	6	12	6	12
1921	45.6	84	10	3.11	0.89	1.59	6.85	0.4	5	13	7	10
1922	47.8	84	15	3.68	3.70	3.97	3.38	T.	7	16	6	8
1923	45.1	79	14	2.25	1.39	2.79	2.57	3.0	6	15	6	9
1924	46.7	88	4	1.78	1.16	2.08	2 09	0.5	4	15	8	7
1925	42.8	80	− 2	3.05	1.74	2.78	4.63	2.0	6	16	6	8
1926	39.6	78	0	3.01	2.13	2.86	4.04	4.3	7	11	7	12
1927	46.8	89	12	3.66	2.07	3.78	5.13	0.9	7	6	9	15
1928	44.6	79	9	5.02	5.91	4.88	4.26	0.5	10	13	4	13
1929	39.0	78	− 8	1.46	1.40	1.00	1.98	2.1	6	11	8	11
1930	45.8	83	8	2.93	2.94	3.28	2.56	T.	5	18	5	7
1931	52.2	87	17	5.42	5.58	5.32	5.35	1.4	11	10	5	15
1932	39.5	75	− 9	1.87	1.55	2.11	1.95	4.5	5	16	5	9
1933	45.9	83	7	0.93	0.47	0.96	1.37	0.2	4	16	6	8
1934	48.5	84	16	5.71	5.62	5.84	5.67	4.6	10	14	5	11
1935	42.2	82	10	4.16	4.52	4.69	3.28	0.1	10	8	4	18
1936	42.2	79	0	1.89	1.15	2.04	2.49	1.4	3	21	4	5
1937	41.0	90	− 7	1.85	1.58	1.87	2.11	4.1	7	15	6	9
1938	45.9	89	2	4.28	4.01	4.64	4.20	1.3	6	17	5	8
1939	43.5	78	12	2.58	2.36	2.97	2.42	0.0	7	13	6	11
1940	42.2	83	− 2	3.46	2.77	3.31	4.29	1.2	9	12	7	11
1941	45.5	85	10	2.29	2.00	2.32	2.55	1.9	7	14	5	11
1942	47.9	82	6	4.27	3.81	3.42	5.58	0.8	11	11	6	13
1943	42.7	81	9	0.93	0.97	0.71	1.12	0.4	3	17	7	6
1944	47.0	88	1	2.34	2.89	1.98	2.16	0.2	9	7	8	15
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
.....	....	..	....	....	....	....	....	....	..	..	..	..
Period	44.4	90	− 9	2.67	2.22	2.60	3.19	1.0	6	14	6	10

Climatological Data for November 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	50.4[c]	.....	77[c]	13	9[b]	30	15	2.53[§]	+0.81	0.61	2	1.0	10	5[b]	14[b]	9[b]	nw.	Curtis E. Grace
Bethany	Harrison	916	49	45.0	+ 2.2	79	1	9	30	51	2.43	+0.39	0.95	2	0.7	8	8	8	14	nw.	A. S. Cumming
Brookfield	Linn	767	3	45.5[§]	.....	83	1	12[q]	30	3	5.02	.....	2.13	3	T.	11	6	7	17	e.	G. F. Breen
Brunswick	Chariton	652	63	45.2	+ 3.6	77	1	14	30	65	2.95	+0.76	1.42	2-3	T.	10	10	3	17	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	45.0	.....	76	2	14	30	14	3.05	+0.34	1.27	3	0.3	14	3	6	21	nw.	Lockmaster
Chillicothe	Livingston	779	35	44.2	+ 2.9	77	1	16	30	38	2.71	+0.59	1.79	3	*T.*	8	..	..	..	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	46.1	+ 2.7	77	1	12	30	35	3.38[§]	+1.40	1.87	3	*0.5*	11	3	4	23	nw.	Dr. A J. Bradsher
Columbia	Boone	740	54	46.0	+ 1.9	79	1	14	30	54	1.83	−0.37	0.72	8	T.	11	3	3	24	w.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	43.8	+ 2.4	75	13	7	30	60	2.11	+0.37	0.48	25	1.0	9	2	12	16	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	....	.....	..	..	..	..	41	....	.....	....	..	....	..	..	..	..	.....	Paul C. Handley
Elsberry	Lincoln	449	13	47.2	+ 3.8	82	1	15	30	13	0.99	−1.83	0.32	9	0	4	1	16	13	s.	John Dowell
Fayette	Howard	760	64	45.8	+ 3.6	76	1†	13	30	61	2.55	+0.45	1.08	3	T.	12	5	4	21	se.	Irvin E. Schnell
Fulton	Callaway	818	56	45.3	+ 1.1	81	1	14	30	52	1.63	−0.68	0.53	9	0.5	12	10	8	12	w.	Frank E. Hillgartner
Grant City	Worth	1,134	40	43.1	+ 1.2	74	1†	9	30	52	3.54	+1.69	1.07	3	2.5	9	2	13	15	nw.	J. Homer Korn
Hannibal	Marion	759	52	43.0	+ 0.9	80	1	10	30	60	4.33	+2.27	1.75	3	0.5	10	2	8	20	nw	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	46.9	+ 3.2	78	1	12	30	55	2.94	+0.72	1.92	2-3	T.	9	5	7	18	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	50.2[a]	.....	78[a]	1	..	..	6	3.32	.....	1.90	3	*T.*	6	..	..	..	nw.	University of Kansas City
Kidder	Caldwell	1,020	52	44.0	+ 2.2	74	1†	8	30	56	3.72	+1.57	2.15	2-3	*0.8*	8	7	7	16	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	44.2	+ 3.6	78	1	12	30	62	4.62	+2.50	2.12	2-3	1.0	10	3	5	22	w.	P. O. Selby
Lawson	Ray	1,070	6	45.7	.....	76	1	11	30	6	3.45	.....	1.95	2-3	1.0	9	5	10	15	nw.	Elmer E. Lamb
Louisiana	Pike	469	50	44.8	+ 0.7	81	1	14	30	63	2.66[§]	+0.20	0.70	3†	*0.5*	9	6	6	18	s.	Stark Bro's Nurseries
Macon	Macon	875	45	43.6	+ 0.8	78	1	12	30	51	4.21	+2.02	1.62	2-3	0.5	12	1	8	21	se.	John W. Atwell
Maryville	Nodaway	1,169	54	41.0	+ 1.6	74	1†	5	30	50	3.37	+1.45	1.81	2	1.0	11	2	6	22	nw	R. B. Montomery
Memphis	Scotland	787	5	42.7	.....	79	1	12	30	14	3.07[§]	+0.08	1.64	3	1.5	11	4	5	21	nw.	John W. Alexander
Mexico	Audrain	800	55	45.2	+ 2.3	80	1	13	30	66	2.11	−0.12	0.92	8-9	*0.2*	8	7	9	14	sw.	Henry D. Llewellyn
Moberly .....3½ mi. NE	Randolph	860	7	44.2	.....	76	1†	12	30	7	4.13[§]	.....	1.41	3	*0.5*	10	5	3	22	nw.	F. W. Bell
New Florence. 1 mi SE	Montgomery	885	1	44.6	.....	79	1	14	30	2	1.80	.....	1.00	8-9	T.	11	3	4	23	nw.	U. S. Weather Bureau
Oregon	Holt	1,048	88	45.0	+ 4.5	77	1†	7	30	88	2.03	+0.05	0.68	24-25	1.5	8	7	8	15	ne.	Miss Mina Wright
St. Charles	St. Charles	520	56	47.4	+ 2.1	82	1	17	30	66	1.30	−0.81	0.30	19-20	0.5	12	9	14	7	sw.	Martin L. Comann
St. Joseph	Buchanan	957	34	44.8	+ 3.3	76	1	11	30	72	2.26	+0.68	0.83	2-3	1.1	9	11	6	13	nw.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	45.8	.....	79	1	13	30	6	4.42	.....	1.73	3	0.5	14	2	8	20	nw.	Lockmaster
Shelbina	Shelby	779	3	44.6	.....	78	1	10	30	51	1.83	−0.27	0.52	6	0.5	9	6	6	18	se.	Guyman Hatcher
Steffenville	Lewis	650	46	44.8	+ 1.3	79	1	13	30	51	3.41	+1.22	1.49	3	0.6	11	5	6	19	nw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	41.2	+ 1.1	76	13	1	30	50	1.37	−0.37	0.68	24-25	2.1	5	3	11	16	nw.	C. A. A. Station
Trenton	Grundy	822	48	46.5	+ 4.3	76	1	11	30	49	3.20	+1.08	1.68	2-3	0.5	7	8	5	17	n.	W. H. Estes
Unionville	Putnam	1,062	51	42.8	+ 2.5	85	1	9	30	51	3.26	+1.06	1.73	2	1.5	10	4	14	12	e.	C. D. Wilson
Vandalia	Audrain	766	0	46.0	.....	82	2	11	30	5	2.58	.....	1.03	8-9	0.2	10	0	11	19	n.	H. G. McIntire
Warrenton	Warren	816	62	46.8	+ 3.6	81	1	14	30	54	1.22	−1.40	0.33	25	T.	10	4	12	14	w.	W. T. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	44.4	+ 3.3	78	1	15	30	72	2.70	+0.76	1.11	3	0.6	13	3	5	22	nw	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**45.1**	**+ 2.5**	**85**	**1**	**1**	**30**	..	**2.89**	**+0.67**	**3.20**	**3**	**0.6**	**10**	**5**	**8**	**17**	**nw.**	
Southwestern Division																					
Anderson ...1½ mi SW	McDonald	1,000	40	49.0[a]	− 0.3	79[a]	1	19	28†	45	1.52	−1.83	0.52	3	0	6	15	3	12	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	48.2	+ 2.2	80	12	13	30	52	2.08	−0.22	0.55	13	T.	6	10	2	18	sw.	Rolla Brown
Bolivar	Polk	1,071	41	48.6	+ 1.8	78	1	15	30	49	1.42	−1.16	0.40	8	0	8	8	10	12	sw.	Southwest Baptist College
Boonville	Cooper	650	6	43.5	.....	75	1	12	30	67	1.86	−0.35	0.56	2-3	T.	11	6	9	15	se.	Boonville Water Dept.
Carthage	Jasper	962	10	51.0	.....	78	12†	18	30	20	2.32	.....	0.80	13-14	0	8	6	17	7	s.	Carthage W. and E. Plant
Clinton	Henry	786	51	47.3	+ 0.3	79	12	14	30	57	1.99	−0.17	0 80	24-25	*T.*	9	5	15	10	n.	U. S. Weather Bureau
Eldon	Miller	934	49	46.6	+ 1.8	80	1	15	30	45	1.42	−1.03	0.46	14	*T.*	7	7	12	11	s.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	45.4	.....	75	2	16	30	3	0.90	.....	0.28	8	*T.*	5	11	16	3	se.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	45.6	+ 3.1	78	1†	11	30	69	2.89	+0.75	1.59	3	0	10	6	4	20	ne.	John H. Patterson
Jefferson City	Cole	557	54	47.3	+ 3.2	81	1	16	30	62	1.60	−0.79	0.65	14	*T.*	7	7	8	15	nw.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	51.0	+ 2.7	77	1†	18	30	39	2.83	+0.06	1.06	13	....	8	11	5	14	n.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	48.2	+ 3.7	80	1	17	30	13	0.89	−2.82	0.32	24-25	....	8	7	6	17	se.	W. S. Frame
Lamar	Barton	980	56	48.2	+ 1.9	79	12	15	30	63	2.00	−0.53	0.65	24	0	7	10	7	13	sw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	47.6	+ 2.0	78	1	14	30	57	1.41	−1.23	0.45	24	0	8	7	10	13	nw	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	46.6	+ 2.4	79	12	12	30	60	3.12	+1.00	1.56	2-3	0	10	8	12	10	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	50.2	+ 3 2	79	1†	17	30	48	1.75	−1.09	0.40	24	T.	9	9	16	5	sw.	Hubert A. Nieman
Marshall	Saline	779	57	48.1[n]	+ 2.9	79[a]	1†	12[a]	30	54	3.29	+0.97	1.92	3-4	0	9	4	13	13	nw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	47.0	+ 1.1	77	1	16	30	47	1.82	−1.13	0.63	14	*T.*	8	5	15	10	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	....	.....	..	..	15	30	44	2.39	−0.55	0.57	7	0	8	9	11	10	nw.	James C. Williamson
Neosho	Newton	1,011	57	51.3	+ 4.0	79	1	20	30	61	2.42	−0.88	0.50	14	*T.*	9	6	10	14	se.	U. S. Fisheries Station
Nevada	Vernon	862	51	50.4	+ 5.6	79	1	15	30	52	1.65	−0.50	0.63	24-25	*T.*	7	11	5	14	nw.	Henry Kraft
Ozark Beach	Taney	700	4	48.4	.....	78	1†	22	29	19	1.87	−0.90	0.46	7	0	6	..	..	..	.....	A. J. Sharp
Sedalia	Pettis	910	31	48.6	+ 5.3	78	1	13	30	33	2 01	+0.39	1.15	3	0	6	9	5	16	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	49.6	+ 2.3	76	1†	18	30	41	1.70	−1.39	0.42	14	*T.*	8	12	7	11	w.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	46.3	+ 0.4	75	1	16	30	38	2.51	−0.38	1.02	8	0	7	8	6	16	nw.	A. L. Hailey
Springfield.. ½ mile E	Greene	1,301	56	46.4	+ 1.4	76	1	13	30	56	1.80	−0.99	0.87	8	T.	11	4	6	20	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	48.0	.....	79	1	12	30	3	2.69	.....	1.60	3	T.	10	6	15	9	w.	H F. Nelson
Warrensburg	Johnson	878	57	47.0[d]	+ 2 0	77[c]	12	12[d]	30	64	2.32	+0.10	1.51	3	T.	6	6	11	13	nw.	Central Teachers College
Warsaw	Benton	687	43	50.2	+ 3.0	81	1	15	30	49	2.95	+0.31	1.25	13-14	0	10	7	9	14	nw.	Dora B. Johnson
Wasola	Ozark	1,294	3	49.0	.....	77	1†	19	30	4	1.78	.....	0.44	14†	0	5	8	9	13	n.	A. W. Pinckney
Division means	**and extremes**	.....	..	**48.1**	**+ 2.4**	**81**	**1**	**11**	**30**	..	**1.98**	**−0.62**	**1.92**	**3-4**	**T.**	**8**	**8**	**9**	**13**	**nw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	47.2	.....	80	1	19	30	7	1.74	.....	0.72	7-8	T.	8	5	4	21	w.	U. S. Weather Bureau
Arcadia	Iron	926	63	48.4	+ 4.5	88	1	18	30	66	1.97	−1.15	0.75	14-15	T.	7	12	6	12	e.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	47.0[a]	+ 0.4	78[a]	1	19[a]	28†	50	3.27	+0.11	1.10	4	*T.*	8	7	10	13	ne.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	45.6	+ 0.9	79	1	15	28	51	2.30	−0.42	1.28	3-4	*T.*	8	5	10	15	w.	Claude Volner
Campbell	Dunklin	314	18	48.6[b]	+ 1.0	85[a]	2	25[b]	30	18	5.03	+1.33	1.85	9	0	7	8[a]	7[a]	11[a]	s.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	49.2	− 1.2	77	1†	27	30	52	3.06	−0 79	0.94	8-9	T	9	8	7	15	e.	Victor T. Malloure
Crystal City	Jefferson	420	10	48.7	+ 4.8	*81*	1	12	30	10	1.37	−2.05	0.50	3	*T.*	6	10	1	19	nw.	Richard K. Ragland
Doniphan	Ripley	344	40	49.0	+ 1.7	81	1	19	28	40	2.69	−0.73	0.74	7-8	0	10	14	3	13	n.	Boyce Lackey
Farmington	St. Francois	896	33	47.3	+ 2.5	78	1	17	30	47	1 54	−1.28	0.47	3-4	1.3	8	5	1	24	s.	F. M. Karsch
Greenville	Wayne	460	35	48.4	+ 3.0	80	1	20	30	37	1.58	−1.78	0.40	7-8	0	7	7	6	17	se.	Benford Shoemake
Jackson	Cape Girardeau	428	53	48.7	+ 2.1	77	1†	20	30	54	2.26	−1.12	0.70	9	*T.*	9	7	6	17	n.	John G. Putz
Koshkonong	Oregon	958	43	48.6	− 0.4	*78*	2	21	30	44	2.91	−0.35	1.04	7	0	10	3	7	20	nw.	Mrs Genevieve T. Smith
Licking..... 4 miles N	Texas	1,170	7	47.4	.....	78	1	16	30	7	1.73	.....	0.55	3	T.	6	7	10	13	n.	U. S. Forestry Service

Continued on next page

Climatological Data for November 1944 — Continued from preceding page

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches					Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy	
Southeastern Division—Concluded																				
Malden....4 miles NNW	Dunklin	292	1	49.4	.....	78	1†	23	30	1	4.06	.....	2.25	8	T.	10	5	3	22	s	U.S. Weather Bureau
Marble Hill	Bollinger	470	49	46.7	+ 1.5	80	1	15	30	51	2.61	−0.94	0.48	7-8†	0	9	10	5	15	n.	R. A. DeWitt
Poplar Bluff	Butler	339	39	48.5	+ 0.8	80	1†	22	30	40	2.60	−0.88	0.81	7	0	8	17	11	2	n.	Joe Roehm
Rolla	Phelps	1,202	44	46.6	+ 1.6	79	1	16	30	60	1.89	−0.79	0.68	3	T.	8	1	17	12	w.	Rolla School of Mines
St. Louis	**St. Louis City**	465	107	46.8	+ 1.4	80	1	16	30	107	1.11§	−1.72	0.36	3	0.3	7	3	7	20	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	46.2	+ 2.3	80	1	16	30	13	1.15	−1.25	0.52	3	T.	9	2	5	23	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	46.9	+ 1.2	79	1	16	30	32	1.56	−0.98	0.81	3	0.1	6	5	5	20	se.	St. Louis University
Salem	Dent	1,173	40	47.1	+ 1.0	80	1	16	30	43	1.90	−0.71	0.63	3	T.	6	9	5	16	s.	E. E. Martin
Sikeston	Scott	318	37	48.9	+ 1.7	80	1†	29	24†	47	3.12	−0.44	0.90	8	0	9	5	11	14	n.	William B. Seabaugh
Union .....1½ mi. SE	Franklin	520	6	48.4	.....	82	1	18	30	27	1.02	−1.73	0.23	19†	0.5	9	4	8	18	nw.	Cornelius Sieges
Vichy .....2 mi. NW	Maries	1,125	8	45.8	.....	79	1	15	30	9	1.01	.....	0.30	8	T.	7	4	11	16	nw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	49.0	.....	79	1	22	30	5	1.98	.....	0.73	7-8	T.	9	2	6	22	sw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	47.6	.....	79	1	17	30	4	1.35	.....	0.65	14	T.	3	7	5	18	n.	William J. Miller
West Plains	Howell	1,005	7	46.0	.....	78	1	19	28	7	2.69	.....	0.76	3	T.	9	6	8	16	w.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	45.4	.....	77	1	17	28†	87	1.89	−1.45	0.53	18-19	T.	8	14	3	13	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	49.6	+ 2.3	77	2	23	30	73	2.60	−1.08	1.04	8-9	0	7	5	6	19	s.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**47.7**	**+ 1.7**	**88**	**1**	**12**	**30**	..	**2.16**	**−1.03**	**2.25**	**8**	**0.1**	**8**	**7**	**7**	**16**	**n.**	
State means	**and extremes**	.....	..	**47.0**	**+ 2.6**	**88**	**1**	**1**	**30**	..	**2.34**	**−0.33**	**3.20**	**3**	**0.2**	**9**	**7**	**8**	**15**	**nw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. a, b, c, etc., number of days missing; for example, b, indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. 4 Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for November 1944

(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	
Columbia..... (Univ. of Mo. Hort. Exp. Sta. 9 mi. WNW.)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	64	64	58	46	40	50	58	58	48	46	52	58	65	60	42	40	42	43	38	40	37	38	40	36	36	39	31	30	28	20	..	44.7
	Wind movement ..	108	221	202	96	70	107	105	214	97	123	55	128	144	215	111	143	44	7	15	31	37	75	101	54	126	99	114	35	47	161	..	3,085
Lakeside ..... (Osage Dam)	Evaporation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mean temperature	64	66	64	52	48	56	58	62	52	50	54	60	68	61	46	42	44	44	39	41	38	43	46	38	39	41	36	34	32	24	..	48.2
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis ..... (Washington University)	Evaporation	.150	.187	.166	.092	.094	.063	.056	.101	.062	.048	.026	.029	.108	.082	.104	.074	.022	.008	.044	.006	.018	.032	.039	.045	.028	.000	.020	.023	.019	*	.....	1.806
	Mean temperature	68	69	66	49	44	44	56	57	48	46	48	58	61	66	46	46	44	45	37	38	40	40	43	36	42	46	35	34	34	21	..	46.8
	Wind movement ..	46	81	79	59	51	42	40	83	46	45	35	52	45	74	46	60	42	23	29	62	25	26	32	34	57	50	47	26	22	50	..	1,409

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 67)

PRECIPITATION

The average for the State, 208 stations reporting, was 2.34 inches, or 0.33 inch less than the 57-year November average. The greatest monthly amount was 5.60 inches at Linneus, and the least was 0.85 inch at Jefferson Barracks. The greatest amount reported in 24 hours was 3.20 inches, at Linneus, on the 3d. The average number of days with 0.01 inch, or more, was 9.

Snowfall averaged only 0.2 inch, or 0.8 inch less than the 55-year November average. The greatest monthly total was 2.5 inches at Grant City.

MISCELLANEOUS PHENOMENA

Aurora.—Observed at Rolla on 24th.

Floods.—In Mississippi River, at Louisiana, flood stage or above was recorded on 2d to 9th, 11th to 13th, 18th to 19th, 21st, 23d to 26th.

Fogs.—Heavy, 3d, 8th, 10th, 11th, 18th, 21st, 26th, 29th.

Frosts.—Light, 4th, 5th, 10th, 16th, 20th; heavy, 10th, 23d, 24th; killing, 4th, 5th, 10th, 16th, 20th, 21st, 22d, 23d, 24th, 27th, 28th, 30th.

Glaze.—28th, 29th, 30th.

Hail.—Light, on 8th at Neosho and Saverton; on 13th at Joplin and Springfield; on 14th at Parma; on 25th at Jefferson City.

Sleet.—19th, 21st, 24th, 25th, 28th, 29th.

Windstorm.—On 1st and 2d at Marble Hill; wind reported as almost tornadic but no damage reported.

ERRATA

July 1944, page 42: Mean temperatnre and departnre at Clifton Hill shonld be 78.0 and + 1.6, respectively. Minimum temperature at Eldon shonld be 49°. Page 44: Precipitation on 24th and 25th at Eldon should be on 25th and 26th, respectively.

August 1944, page 49: Minimum temperature at Elsberry should be 51 on 20th. Mean temperature and departure, and greatest 24-hour precipitation at Springfield should be 74.2, − 0.8, and 1.97, respectively. Greatest 24-hour precipitation at Clinton should be 2.73 on 25–26th. Total precipitation, greatest 24-hour precipitation and date, and number of days with 0.01 inch or more at Advance shonld be 2.61, 1.00 on 30th–31st, and 10, respectively. Greatest 24-hour precipitation at Tarkio shonld be 1.74. Page 50: Mean temperature and greatest 24-hour precipitation at Vichy should be 76.2 and 1.35 on 25–26th, respectively. Greatest 24-hour precipitation at West Plains should be 0.93 on 25–26th. Page 52: Precipitation on 31st at Advance shonld be .03; total precipitation should be 2.61. Page 53: Mean maximum temperatnre at Springfield shonld be 83.8. Maximum temperatnre on 8th at West Plains should be 93.

September 1944, page 56: Prevailing wind direction at Memphis should be SW. Mean cloudy days for Northern Division shonld be 7. Date of greatest 24-hour precipitation at Birch Tree shonld be 27–28th. Greatest 24-hour precipitation and date at Lebanon should be 1.71 on 28–29th. Prevailing wind direction at Advance and Caruthersville should be NE and E, respectively. Page 57: Mean cloudy days for Southeastern Division should be 7. Greatest 24-hour precipitation at West Plains and Vichy should be 0.72 on 28th and 1.49 on 27–28th, respectively. Page 60: Maximum temperature on 28th and mean maximum at West Plains should be 69 and 82.7, respectively.

October 1944, page 61: Average hourly wind velocity at Columbia should be 6.0. Page 62: Greatest 24-hour precipitation and date at St. Joseph should be 0.93 on 1st–2d; date of maximnm temperature, minimnm temperature, and greatest 24-hour precipitation at Tarkio should be 28th, 10th, and 2.37 on 1st–2d, respectively.

Daily Precipitation for November 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Total
Northern Division																																	
Albany	Grand		.61			.14	.32	.03												.26	.06		.01			.45	.55	*T.*		*.10*			§2.53
Amity[2]	do			2.10			.32	.13	.01	T.						T.	T.			.28	.09		T.			.47	.36	T.	T.	.13	T.		3.89
Auxvasse	Missouri			.27		T.	.07	.03	.18	.36					.29					.22						.30	.03			T.	T.		1.75
Bethany	Grand			.95		.32	.16													.36						.20	.36			.05	.03		2.43
Bowling Green[2]	Mississippi			.58	.21		.03	.58		.61					.12						.26					.25	.04			*	.03		2.71
Brookfield[2]	Grand		.23	2.00	.13		.17	1.10	.06						.39					*	.34					.30	.30			T.			5.02
Browning	3 mi. NE		T.	.22	2.41		.04	1.00	.02						.05	T.	T.	T.		.40	.05	T.	T.			.42	.20			.12	T.		4.93
Brunswick[2]	do		T.	1.42	.48		.12	T.	T.						.09					.12	.08			T.		.32	.27		T.	.03	.02		2.95
Canton, Lock No. 20[2]	Mississippi		.01	.86	.41		.43	.04	.02	.39					.12				T.	.02	.27					.22	.23			.02	.01		3.05
Centralia[2]	do				.42			.21		.48					.02						.16					.26					.03		1.58
Chillicothe[2]	(A)		.02	1.74	.05		.12	.65												T.	.02	T.					.03			.08			2.71
Chillicothe[2]	(B)		.02	2.25	.12		.08	.02	T.	T.					.15					.17	.07					.30	.15			.04	T.		3.37
Clifton Hill	Chariton	.05	.01	1.87			.08	.04							.38					.21		.01				.32	.34			T.	*.04*		§3.38
Columbia[1, 5]	Missouri	T.		.32		.12	T	.16	.72					.03	.01		T.	T.		.13	T.	.01	T.		.01	.31	T.	T.	T.	.01	T.		1.83
Columbia[2]	.9 mi. WNW		T.		.33		*	.14		.30					.17					T.	.08					T.	.48				T.		1.50
Conception	do		T.	.44	T.	.03	.17	.05												.34	.03	*T.*	T.			.48	.43		T.	.14			2.11
Edgerton	do																																
Edina[2]	Mississippi		T.	1.34	.58		.22	.14	T.						.22						.16	.14				.28	.36			.02	.03		3.49
Elsberry	do									.32					.17					.25						.25							0.99
Elsberry S. C. S.[2]	do			.02	.04			.01		.19	T.				.18		T.		.01		.21					.30	.06	T.		T.	.02		1.04
Farber[2]	1 mile N			.75			.10		.05	.80					.11		T.				.25					.38					.05		2.49
Fayette	Missouri	.07		1.08		.07	.14	.04	.09	.03					.19					.12	.03		T.			.36	.33			T.	T.		2.55
Fulton[2]	do			.04	.01		.09	.01	.04	.53					.29					*	.19					.37	.04			.02	*T.*		1.63
Gallatin[2]	Grand			1.98			.14	.57							.02					.16	T.					.31	.18	T.	T		T		3.36
Grant City	do		.19	1.07		.25	.60	T.												.28	.03	*T.*	*T.*			.56	.47		*T.*	.09	*T.*		3.54
Hannibal[1]	(A)	.14		1.75		.04	.44	.02	1.25									T.		.33	T.					.30	.02			.04			4.33
Hannibal[2]	(B)		.11	.80	.73		.30	.32	.03	1.18					.12					T.	.68					.15	.10			T.	T.		4.52
Hermann[2]	Missouri							.08	.04	.74					.45					.03	.23					.28	.30				T.		2.15
Kahoka[2]	Mississippi		T.				.43				.10				.10						.10				.15	.08				*.07*			§1.03
Kansas City Airport[1, 5]	Missouri		.83	1.16		.02	T.	.01	T.							T.			T.	.26	.01	T.			.07	.47		T.	.11	T.	T.		2.94
Kansas City University	do		.57	1.90		.03														.23						.47			.12				3.32
Kidder[2]	Grand			2.15			.28		.16		T.				T.					.40	.06					.40	.18			.09			3.72
King City	Missouri			.47		.43	.12	.15												.39		T.				.54				.17			2.27
Kirksville	Mississippi	T.	.17	2.12		T.	.64	.04		T.					.41	.02		T.		.38	T.		T			.48	.26			.10	T.		4.62
Knoxville[3]	Missouri		1.94	1.48		.25		T.	T.					.05						.27	.01	T.			.04	.52		T.	.04	T.	T.		4.60
La Belle[2]	Mississippi		T.	.94	.30		.43	.23	T.	.14					.07					.15	.35					.30	.32			.02	T.		3.25
Lawson	Missouri		.09	1.95		.26	.02	.02							T.					.35	.04	T.				.60				.12	T.		3.45
Linneus[2]	Grand		.05	*	3.20			*	1.30						.10					.25	T					.40	.20			.10	*T.*		5.60
Louisiana	(A)			.40	.30			.60	.01	.70					.10						.30					.20					*.05*		§2.66
Louisiana[2]	(B)			.36	.30		.14	.37	.01	.65					.09				.03		.38					.24	.08				.07		2.72
Lucerne[2]	Grand			1.13			.41	.35												.12	.18					.29	.21			.02	.02		2.76
Macon[2]	Chariton		T.	1.62	.44		.16	.86	.11			T.			.02					*T.*	.15	.14				.31	.36			.03	.01		4.21
Madison[2]	Mississippi		.03	1.35	.25		.03	.35	.04	.29					.40					.26	.13					.35	.27			.01	.01		3.77
Martinsburg[2]	Missouri			.15	.08		.02	.01	.02	.54					.43				.15	.08					.34	.04			*T.*	*.04*		§1.90
Maryville	do		*	1.81		.50	.06	.01						T.		T.				.27	.03	T.	T.			.37	.24	T.	.02	.06			3.37
Memphis[2]	Mississippi		.02	1.42	.22		.39	.03	.03						.07						.22					.17	.38	T.		*.13*			§3.07
Mexico[2]	do			.40	.05		.09	T.		.92					T.					.20	.10					.30	.05			T.	T.		2.11
Milan[2]	Grand			2.20	.03		.21	.19							.08					.42	.11					.38	.22			T.	.04		3.88
Moberly[2]	3½ mi. NE		T.	1.32	1.41		T.		T.	.09					.32					*	.22					.37	.36			*	*.04*		§1.13
Monroe City	do		.07	1.19			.41			.56					.22					.28						.35	.11				*T.*		3.19
New Florence[3, 5]	1 mi. SE			.04		.04	.01	.05	.99	.01				T.	.14	T.	T.	T.		.17	T.				T.	.28	.03		T.	.03	T.		1.80
Oregon	do			.30		.30	.10	.04												.33	.03					.68			.25				2.03
Palmyra	Mississippi	.06		1.15			.21	.18	T	.63					.13				T.	*	.34										*.10*		§3.13
Paris[2]	do		.17	*	1.28			.84	.05	.55		.01			.26					.08	.24					*.38*	.33						4.06
Perry	1 mile E	.15		1.05			.82			1.28					.03					.25						.38	.20			T	T.		3.89
Philadelphia[2]	do			1.01	.26		.16	.38	T.	.37					.10					.15	.23					.30				.03			3.21
St. Charles[2]	Missouri			.23		.02	.02		.02	.18	.02	.23					T.			.10	.20					.34	.21			T.			1.30
St. Charles[2]	(B)				.35		T		.01	.11					.03				.01		.26					.20	.05				.03		1.10
St. Joseph[1, 5]	do		.42	.41		.18	T.	.02								T.				.35		T.		.03		.20	.05	.05			03		2.26
Saverton, Lock No. 22[2]	Mississippi		.37	1.08	.65		.14	.35	.03	1.10					.05				T.	.04	.28			T.		.71	.03		.11		T.		4.42
Shelbina	do						.52	.04		.08					.13					.31	.06					.23	.05			.02	.03		1.83
Shelbyville[2]	do																									.40	.24			*T.*	.05		
Steffenville	do		T.		1.30			.53		.05	.15				.12					.34						.33		.36		*	*.05*		§3.23
Tarkio[3]	Missouri		.02	1.19			.61	.01		.17					.07					.37	.01					.32	.28			.04	.01		3.41
Trenton[2]	Grand			1.68			.36	.31							.30					.44		T.	T		T.	.68	T		.16	T.	T		1.37
Troy[2]	Mississippi				.01				*T.*	.10					.40				T.	.40	.08		T.							.07	T.		3.20
Unionville[2]	Chariton			1.73			.29	.14							.29					.01	.22					.38	.02	T.			.10		1.24
Vandalia	Mississippi			.80			.05	.02		1.03					.11					.09	.21					.23	.22			.04	.02		3.26
Warrenton	do			.06	T.			.01		.16		T.		T.	.20				T.	*	.25					*	.30				.02		2.58
Keokuk, Iowa[1]	do	T.	T.	1.11	.01	.01	.43	T.	.29	.06				.05	.03	T.	T.	.01	T.	.13	T.	T.	T.			.33	.04	.03		.01	T.		1.22
Southwestern Division																										.51			T.	.05	.01		2 70
Altona[2]	Osage			1.10					.14						T					.35	.10					.50							2.19
Anderson[2]	1½ mi. SW				.52	.09		T							.50				*T.*	.23						.12	.06	*T.*					1.52
Appleton City	Osage			.53				.10							.55					.30	.10					.50	T.						2.08
Ava Ranger Station[2]	White				.30				.31						.55					.35						.45							1.96
Bakersfield[2]	do																																
Bolivar	Osage				.05			.09	.40						.05					.19	.01	T.			T.	.38	.25						1 42
Boonville[2]	(A)			.56	.43		.09		.03	.25					.02					.06	.04					.18	.18			.02			1.86
Boonville[2]	(B)			.20	.60		.02		.06	.26					.03					.05	.06					.25	.31			.02	T.		1.86
Buffalo[2]	Osage			.08				.07	.34												.24					.45	.25						1.43
Butler[2]	do			1.21	.05			.08							.05					.26	.06					.48	.06			.03			2.28
Caplinger Mills[2]	do			.44	.08			.30	.03						.31					.17	.02					.39	.23						1.97
Carthage	Neosho			.26	.02			.32							.80					.10				.60		.15	.07						2.32
Clinton[3]	Osage			.56				.06						.10					.02	.43	.01	T.		.30		.50	.01				T.		1.99
Concordia	Missouri			1.20				.02							.08					*	.31					.28	*	.14		T.			2.03
Crocker	Osage							.28		.80						.12				.20						.35	.09						1.84
Eldon[2]	Missouri						T.		.33						.46					.05	.13					.21	.14	.07			*T.*		1.42
Eldorado Springs	Osage			.62		T.		.13							.18					.22	.05					.47	.15			T.			1.82
Elijah[2]	White				.42				.48						.29					.45	.07					.48	.03						2.22
Fort Leonard Wood[2]	Gasconade				.15				.14	.28					.12						.21					T.							0 90
Galena[2]	White								.47	.32					.43					.28	.08	.05					.32							1.95
Granby[2]	do				.21			*	.33						.35						.25					.45	*	.10					1.72
Hailey	do							.40	.09										.18	.43					.31								1.41
Harrisonville[2]	Osage			1.54	.05				.06						.12					.30	.12					.60	*	.03		.07			2.89
Jefferson City[2]	Missouri								.10	.30					.65					.02	.16					.30	.07				*T.*		1.60
Joplin[1]	Neosho			.38				.40	.08					1.06						10	T			.86		.37	.08						2.83
Lakeside[2, 5]	Osage		T.		.01		T.		.06	.24					.01					.10	.06	T.				.32	.09		T.		T.		0.89
Lamar[2]	Neosho				.25				.40											.15	.05					.65	.45			.05			2.00
Lebanon	Osage				.03			.08	*	.45					.10					.20						.45	.10						1.41
Lexington[2]	Missouri			1.45	.11		.20	.05							.40					.25	.06					.35	.18			.07			3.12
Lockwood	Osage			.30		T.		.31	.08					.09	.02					.30				.10	.30	.25							1.75
Macomb[2]	White																																
Marshall	Missouri	T.	.10	*	1.92	*	.24	.04							.39					.25						.35							3.29
Marshfield[2]	White						.02		.08	.13					.50					.10	*.07*					.35	.40	T.					§1.59
Mountain Grove[2]	do				.23				.24	.01					.63					.22	.03					.39	T.	.07					1.82
Mount Vernon[2]	Neosho				.35			.57	.32						.43					*	.37						.25	.10					2.39
Neosho	do			.40				.45	.16						.50				T.	.50	.02		*T.*		.07	.47	.05						2.42
Nevada	Osage			.23				.17							.10					.36	.07					.63	.09						1.65

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Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
Southwestern Division—Concluded																																
Osceola[2]	Osage				.38				.07						.20					.32						.35	.20					1.52
Ozark Beach[2]	White				.13				.46						.43					.44		.03				.38						1.87
Pierce City[2]	Neosho				.29				.24	.24					.39					.27		.02				.37	.30					2.12
Pleasant Hill[2]	Osage			1.10	.29		.02		.01						.28					.30	.10	.01	T.			.58	.06	T		.06	T.	2.84
Roby	Gasconade					.03		.08	.33						.18					.22	.02					.35	.08			T.	T.	1.29
St. Thomas[2], 2¼ mi SW	Osage									.89										.09	T.					.36						1.34
Sedalia	Missouri			1.15		.02		.11	T.											.20						.30	.23					2.01
Seligman	Neosho			.06	.10			.32							.42				.21	.18				.02	.39	T.						1.70
Seymour[2]...3½ mi. NE	White			.20				.17	1.02						.41					.12						.55	.04					2.51
Shell Knob[2]...3 mi. SE	....do				.02				.25	.05					.83					.40	.03	T.				.38						1.96
Siloam Sprgs. Lookout[2]	....do				1.35				.33						.75					.10	.50					.42						3.45
Springfield[1, 6]...½ mi. E	....do			.01	T.			.07	.87	T.				.21	.07		T.	T.	.01	.14	.01	T.			.23	.17	.01	T.	T.	T	T.	1.89
Stover[2]	Missouri				.50				.09	.50					.49						.20					.38						2.16
Sweet Springs	....do	T.	.02	1.60			.03	.07							.07					.26	.05					.36	.17			.06	T.	2.69
Tecumseh[2]...¼ mi. W	White																															
Topaz[2]	....do				.03				.30						.39					.40	.08					.40						1.60
Vanzant[2]...3¾ mi. SE	do								.18						.39					.41	.01					.47	T.					1.49
Warrensburg	Missouri		T.	1.51			T.	.15												.20	03					.40	.03			T.	T.	2.32
Warsaw[2]....(A)	Osage			*	.35				.22	.30					1.25					.18	.06	T.				.35	.21	.03				2.95
Warsaw[2]....(B)	....do				.30				.20	.47					.31					.16						.08	.46					2.01
Wasola [2]	White				.04				.42						.44					.44							.44					1.78
Waverly[2]	Missouri			1.20	.30		.15		.07						.40						.26					.25	.08			.10		2.81
Wilderness Lookout[2]	White								.45						.46					.36	.03					.36						1.66
Southeastern Division																																
Advance[3]....¼ mile W	St. Francis			.12	.06			.01	.72	T.					.21			T.	T.	.39		T.			T.	.22	.01			T.		1.74
Alton....10 miles SE	Black			.14	.05			.50	.69	.34					.37					.40		.01				.41						2.91
Annapolis[2](1)	St. Francis				.40				.10	.05					.31	.42				.22	T.					.27	.11					1.88
Annapolis[2](2)..7 mi. W	Black				.37				.11	.03					.33	.42				.16	.21					.19	.03					1.85
Arcadia[2]	St. Francis				.38				.06						.20	.75				.30	T.					.25	.03					1.97
Banner[2]	Black			.30	.17				.11	.10					.41					.02	.38					.18	T.					1.67
Belleview	Meramec			.58	.06			T.	.17	.20				T.	.26	T.			T.	.43	.03	T.				.21	T.			T.		1.94
Bernie[2]	St. Francis			.26					1.15	.80					.53		.50	.24	.12					.30	.13							3.97
Birch Tree[2]...½ mile E	Black				1.10	T.			.55	.15					.54					.26	.11				T.	.51	.05					3.27
Black....9 miles NW	....do			1.10	.18				.09						.29					.40	.06					.15	.03					2.30
Bloomfield[2]	St. Francis																															
Bunker[2]... 4 miles NW	Black				1.19				.14	.07					.27	.15				.35	.22					.47	.02					2.89
Campbell	St. Francis				.07			T.	1.20	1.85					1.00					.42	T.					.13	.06	.03				5.03
Cape Girardeau[2]	Mississippi				.05				.39	.18					.14	.02				.12	.11					.50	.11	T.		.05		1.23
Caruthersville[2]	....do								.42	.94					.06	.50				.31	.17					.20	.02					3.06
Centerville[2]	Black				.44				.09	.02					.42	.54				.31	.30					.17	T.	.03		T.		2.34
Cook Station[2]	Meramec				.60					.30					.18					.24	.06					.24	.04					1.58
Craue Mountain[2]	St. Francis				.35				.07	.01					.30	.15				.17	.21					.50			T.			1.54
Crystal City	Mississippi			*	.50	T.									.17					.36	.04											1.37
Cuba	Meramec			.24				*	.07	.17					.05					*	.29					.25	.08			.03		1.18
Deering[2]	St. Francis				T.				.34	.35					.46	.55					.42					.51	.06					2.69
De Soto[2]	Mississippi				.48		.01			.04					.10					T	.42					.26	.01				.03	1.35
Dexter[2]	St. Francis				.25				.58	.46						.75				.18	.17					.25	.17	.02				2.83
Doniphan	Black			.14	.25			.42	.32	.05				.08	.55					.43						.42	.03					2.69
East End[2]	Meramec				1.16				.05	.10					.31						.41				.15							2.18
Ellington[2]	Black				.82				.29	.03					.51	.71				.20	.38					.25						3.19
Ellsinore Lookout[2]	....do				.60				.72	.20					.40											*	.18					2.10
Farmington	St. Francis			.37	.10					T.					.39	.19				.32	.03					.12	.02			T.		1.54
Fisk[2]	....do				.06				1.17	.21					.31	.57				.53	.31					.21	.16					3.53
Fredericktown[2]	....do				.20				.05						.25	.69				T.	.24					.25	.16					1.84
Gerald[2]	Meramec				T.				.06	.24				.06							.28					.28	.05	T.			T.	0.97
Greenville[2]	St. Francis				.16				.40	.22					.27						.23					.24	.06					1.58
High Lookout[2]	Black																															
Jackson	Mississippi				.11				.49	.70					.18			.04		.35	.02					.32	.05					2.26
Jefferson Barracks[2]	Mississippi				.30					.03					T.				T.	*	.30					.22				T.	T.	0.85
Jerome[2]	Gasconade								.20	.40					.20					.30						.26	.10					1.46
Koshkonong[2]	Black				.54				1.04	.08					.33	.03				.39	.04	.01				.41	.04					2.91
Leeper[2]	....do				.39				.71	.76					.47	.03				.17	.19					.25	.11	T.				3.08
Licking....4 miles N	Gasconade			.55				.18	.40						.40					.10						.10						1.73
Macedonia Lookout[2]	Black				.20				1.00	.10					*	.45				*	.38					*	.49					2.62
Malden[3]...4 miles NNW	Mississippi	T.		.04	.01			.02	2.25	.12					.91				.01	.29					.04	.37	T.			T.		4.06
Marble Hill	....do				.12			T.	.48	.48					.28					.33	.33	.13				.39	.07					2.61
Meramec Park[2]	Meramec				.26				T.	.36					.04					.06	.32					.16					.02	1.22
Morehouse	Mississippi				.10				.93	.69										.97	.05					.35	.03					3.12
Moselle[2]	Meramec				.50		.05	T.		.10					T.			.20	.02		.20					*	.20			.01	.09	1.37
New Madrid[2]	Mississippi				T.				.85	.50					T.	1.50				.20	.20					.30	.11					3.66
Owensville[2]	Gasconade				.09				.08	.48										*	.17					.28		.11				1.21
Pacific[2]	Meramec				.35					*.19*						*.16*				*.05*	*.26*					*.20*		.05	T.		T.	§1.26
Parma[2]	St. Francis								1.05	1.35					.10	1.10					.42						.45	.10					4.57
Perryville	Mississippi			.13	.07		.02	.15		.30					.16	.18				.28	.12											1.41
Pilot Knob[2]... 2 mi. NE	St. Francis				.30									.12	.18					.12	.18				.17	.02						1.09
Poplar Bluff[2]....(A)	Black				.63				.81	.14					.22	T.				*	.30					.40	.10					2.60
Poplar Bluff[2]....(B)	....do				.54				.80	.15					.26	.27				.22	.11					.38	.07					2.80
Puxico[2]	St. Francis								1.08	.06	T.				.29	.09				.19	.13					.30	T.					2.14
Qulin[2]	....do								1.15	.27					.89	.30																	2.61
Reynolds[2]	Black				.55				.19						.45					.45	.18					.23	.05			T.		2.10
Richwoods[2]	Meramec				.19										.16					.10	.39					.29					.07	1.20
Rolla[2]	....do				.68				.12	.34				.09	.22					.08	.12					.24	T.	T.				1.89
Round Spring[2]	Black				.52				.08	.07					.44						.49						.25						1.85
St. Louis City Office[1, 5]	Mississippi			.36	T		T.	T.	.03	T.				T.	.16		T.	T.		.29	T.	T.	T.			.22	T	T.		.04	.01	§1.11
Airport[3, 5]	Missouri			.52		T.	.01	T.	.09					T	.01	T.	T.	T		.27	.04					.17	.03			.01	T.	1.15
St. Louis Univ.[1, 5]	Mississippi			.81	T.		T.		.11	T.					.17			T.		.25	T.					.21	T.			.01	T	1.56
Washington Univ.[2]	...do				1.17					.10						.01				.05	.22					.32					.01	1.88
Salem	Meramec			.63	T.			.10		.25					.49					.27						.16	T.	T.				1.90
Sikeston[2]	Mississippi				.04				.90	.65					.38	.38				.10	.27		T.			.30	.10					3.12
Steelville[2]...2½ mi. NE	Meramec																															
Summersville	Black			.28	.05			.11	.05						.61					.45	T.					.28						1.83
Union....1½ mi. SE	Meramec			.08			.03			.19				.05						.23	.16					.23				.02	.03	1.02
Valley Park[2]	....do				.50		T.			.02						.49			T.	T.	.31					.22				T.	T.	1.54
Van Buren	Black																															
Vichy[3]....2 miles NW	Meramec			T.	T.			.11	.30	T.				T	.08		T.		T.	.26	.01				.09	.16	T.	T.		T.	T.	1.01
Wappapello Dam[2]	St Francis				.20				.73	.09					.20					.21	.18					.28	.08	.01				1.98
Weingarten	Mississippi														.65					.25						.45					*T.*	1.35
West Plains[3]	Black				.76				.53	.05					.36				.14	.40	T.				.17	.25	.03			T		2.69
Williamsville[2]	....do				.14					.74	.46				.29	.01				.19	.12					.26	.05					2.26
Willow Springs[2] 500 ft E	White				.18					.25	.04				.49					.43	.10					.36	.04					1.89
Winona Ranger Sta.[2]	Black				.22					.37	.20				.70					*	.50					.32	.06					2.37
Zalma[2]	Mississippi				.15					.59	.32				.13					.21	.15					.32	.05	.01				1.93
Cairo, Ill.[1, 5]	....do			T.	.22			T.	.96	.09					.55					.46						.31	.01					2.60

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for November 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..	Mean
Northern Division																																	
Brunswick /	Maximum	77	75	52	54	47	66	69	66	54	48	70	76	75	66	47	43	46	42	40	44	40	46	52	45	43	42	31	40	32	27	..	51.8
	Minimum	55	55	46	39	35	37	46	54	46	40	38	39	52	55	40	40	39	41	39	37	37	31	30	29	31	37	30	25	25	14	..	38.7
Chillicothe /	Maximum	77	71	55	52	48	68	69	61	52	49	71	75	67	61	47	40	50	49	46	46	35	49	53	50	45	45	39	42	34	22	..	52.3
	Minimum	45	52	43	34	34	37	45	48	44	38	37	38	48	48	38	26	30	32	34	39	33	31	32	35	37	29	25	25	30	16	..	36.1
Columbia	Maximum	79	77	69	54	49	67	66	67	52	53	69	75	73	64	48	43	45	46	39	46	42	47	50	46	42	44	32	38	33	27	..	52.7
	Minimum	58	66	48	38	35	45	49	49	44	41	41	51	60	40	38	40	42	42	36	36	34	32	31	30	36	32	25	25	20	14	..	39.8
Fayette	Maximum	76	76	70	54	48	66	66	64	54	53	69	75	73	69	56	45	46	46	44	45	41	45	51	47	43	43	34	40	37	28	..	53.5
	Minimum	53	60	46	38	33	42	50	50	44	37	38	49	49	49	38	39	40	41	35	34	35	30	29	28	36	33	28	22	28	13	..	38.2
Grant City	Maximum	74	71	57	51	46	68	65	62	49	47	69	68	74	70	43	42	43	48	45	45	38	40	51	48	42	38	29	35	32	25	..	50.5
	Minimum	53	48	42	30	34	38	50	42	42	38	38	48	58	40	39	35	38	38	36	35	31	26	32	28	34	28	21	21	20	9	..	35.7
Hannibal	Maximum	80	76	66	47	47	44	66	68	47	48	54	73	69	67	49	46	44	45	42	44	41	43	50	42	41	45	35	36	34	25	..	50.5
	Minimum	55	60	40	34	32	37	37	44	41	40	37	45	45	43	36	37	37	37	31	32	33	29	32	28	32	32	24	23	20	10	..	35.4
Kansas City Airport.	Maximum	78	72	56	54	53	72	72	62	59	62	76	77	77	64	47	42	45	47	45	47	36	49	55	49	45	44	39	42	34	23	..	54.1
	Minimum	62	52	44	38	41	53	57	47	43	34	43	57	63	42	40	38	39	42	40	36	32	29	35	32	39	30	26	28	18	12	..	39.7
Kirksville	Maximum	78	71	68	50	44	47	65	62	57	46	60	71	74	69	57	43	43	45	44	43	41	43	48	45	41	42	35	36	34	25	..	50.9
	Minimum	54	59	42	32	32	40	42	54	43	41	37	48	54	52	38	38	40	39	34	34	34	29	31	28	34	34	25	24	25	12	..	37.6
Lawson	Maximum	76	72	67	54	49	71	70	65	56	68	73	74	75	69	49	42	43	45	44	47	43	46	52	47	43	42	35	40	36	27	..	54.0
	Minimum	55	61	42	34	36	40	52	43	41	31	38	51	57	44	36	36	38	40	39	37	32	26	30	31	36	30	25	24	25	11	..	37.4
Louisiana /	Maximum	81	80	60	49	48	46	69	71	49	50	74	74	70	70	48	47	44	43	42	45	42	45	49	44	43	46	36	38	34	25	..	52.1
	Minimum	40	60	60	40	32	40	40	43	46	44	34	40	42	55	37	40	42	40	38	34	35	33	33	27	26	32	32	21	22	14	..	37.4
Macon /	Maximum	78	75	52	51	45	50	65	65	48	47	64	73	72	65	47	44	45	45	38	44	39	43	50	43	43	43	29	39	33	26	..	50.0
	Minimum	57	55	46	36	32	37	43	46	44	42	37	38	51	55	38	39	39	40	35	34	36	30	30	26	27	35	28	22	23	12	..	37.1
Maryville	Maximum	74	69	53	50	42	66	63	62	50	47	68	67	74	67	45	40	40	45	41	42	32	39	49	45	40	35	27	34	30	23	..	48.6
	Minimum	48	52	41	28	30	32	49	39	38	32	36	47	56	36	37	32	35	35	35	31	28	23	27	30	32	26	19	22	17	5	..	33.3
Mexico /	Maximum	80	78	51	57	49	63	65	71	49	49	67	77	74	61	48	44	46	47	39	45	42	46	52	45	45	45	43	38	36	27	..	52.6
	Minimum	43	62	49	39	32	37	45	48	44	42	38	38	54	55	38	39	40	41	34	34	38	31	32	26	27	36	30	22	24	13	..	37.7
Moberly /	Maximum	76	76	49	50	47	63	65	63	50	48	66	73	73	65	46	44	44	44	38	43	39	45	50	42	42	42	29	37	31	25	..	50.2
	Minimum	56	59	45	36	32	37	41	51	44	42	43	42	55	55	38	38	39	41	35	34	36	30	30	27	31	37	28	23	27	12	..	38.1
Oregon	Maximum	77	73	57	51	47	70	70	65	55	62	74	72	77	72	45	42	42	46	45	47	37	44	53	51	46	40	35	35	32	29	..	53.0
	Minimum	59	55	42	31	37	40	55	43	41	32	41	64	61	41	39	34	31	37	38	35	28	25	30	35	35	28	22	25	22	7	..	37.1
St. Charles /	Maximum	82	81	71	57	53	49	73	65	54	49	56	73	76	80	53	49	51	52	42	47	45	49	55	47	52	54	37	44	33	26	..	55.2
	Minimum	50	56	61	41	33	37	42	45	45	44	45	43	50	56	49	40	43	41	36	34	36	35	34	30	30	32	33	25	26	17	..	39.6
St. Joseph	Maximum	76	71	58	55	47	71	71	59	55	55	74	73	76	59	45	41	43	45	42	46	35	44	53	50	42	41	36	37	29	18	..	51.6
	Minimum	59	49	44	34	40	47	56	45	40	36	42	55	59	42	39	37	38	40	39	35	30	28	32	36	38	27	25	26	14	11	..	38.1
Trenton	Maximum	76	73	70	68	57	63	67	66	53	65	70	72	74	67	59	56	52	50	46	45	44	43	52	47	44	40	33	36	30	32	..	55.0
	Minimum	52	63	44	34	35	35	49	46	44	40	38	48	56	48	40	38	40	40	38	36	34	28	32	28	36	33	25	24	24	11	..	38.0
Unionville /	Maximum	85	76	60	53	46	53	74	65	54	49	67	77	78	69	49	45	46	46	45	45	38	43	50	45	43	40	29	36	29	27	..	52.1
	Minimum	50	40	41	29	28	34	38	45	40	40	36	35	46	50	35	35	35	36	35	33	33	26	25	25	25	33	23	22	21	9	..	33.4
Warrenton	Maximum	81	78	72	55	52	55	66	67	64	60	60	74	74	75	59	51	45	49	48	43	43	45	52	51	42	48	40	39	37	32	..	55.2
	Minimum	53	60	46	38	30	42	44	55	42	42	34	46	55	51	35	40	41	39	34	33	37	32	30	28	35	38	32	20	30	14	..	38.5
Keokuk, Iowa	Maximum	78	76	63	45	45	44	64	64	46	49	57	70	67	68	47	45	44	44	41	43	41	45	47	44	40	46	33	37	32	27	..	49.7
	Minimum	60	63	45	34	38	38	44	46	44	42	44	48	58	42	41	41	40	40	36	35	35	33	35	31	34	32	28	28	20	15	..	39.0
Southwestern Division																																	
Clinton	Maximum	78	78	68	59	55	73	72	62	61	61	75	79	77	64	52	43	46	49	43	46	40	53	57	49	46	39	40	43	40	28	..	55.9
	Minimum	58	63	48	40	38	50	55	52	39	33	42	54	57	40	31	32	39	41	37	37	31	27	28	32	37	29	28	26	22	14	..	38.7
Eldon /	Maximum	80	78	64	59	55	72	61	72	55	66	72	77	74	68	49	43	46	48	39	48	40	46	54	47	45	46	41	42	40	23	..	55.0
	Minimum	50	51	62	41	35	37	48	53	46	37	33	39	52	54	39	33	39	39	37	34	35	32	33	30	29	37	31	23	22	15	..	38.2
Harrisonville /	Maximum	78	76	52	58	53	72	73	62	58	61	76	78	77	63	51	40	46	46	42	47	38	49	58	47	45	37	40	41	40	26	..	54.3
	Minimum	56	57	44	37	38	41	51	47	41	31	31	44	52	45	35	35	37	36	38	38	32	25	27	35	35	35	25	25	26	11	..	37.0
Jefferson City /	Maximum	81	79	69	61	53	69	65	71	53	58	70	77	76	70	59	43	48	47	39	46	43	47	54	47	44	44	36	40	36	26	..	55.0
	Minimum	56	55	64	41	35	37	53	51	46	43	38	42	54	57	39	37	41	39	37	34	34	33	33	28	28	37	32	24	24	16	..	39.6
Joplin	Maximum	77	76	70	62	72	74	70	67	63	72	75	77	76	64	53	42	44	48	46	50	42	53	60	52	57	46	42	46	41	30	..	58.2
	Minimum	64	67	52	47	54	53	58	50	44	41	52	61	56	49	39	36	41	43	40	41	33	29	39	41	42	31	29	31	29	18	..	43.7
Lamar /	Maximum	77	78	56	65	68	76	73	68	66	70	78	79	78	68	56	43	46	50	44	53	38	53	63	51	52	42	45	47	42	30	..	58.5
	Minimum	54	59	52	43	43	45	45	52	40	31	31	46	53	52	33	30	37	39	37	34	34	23	24	30	38	34	28	27	28	15	..	37.9
Lebanon	Maximum	78	74	73	62	61	71	69	69	58	61	69	74	74	71	64	48	43	46	46	42	42	50	55	54	45	46	43	39	40	37	..	56.8
	Minimum	51	65	54	38	38	44	50	50	43	32	38	50	56	53	35	29	38	56	32	35	32	28	29	28	36	40	28	21	29	14	..	38.4
Lexington /	Maximum	78	73	53	57	51	72	74	62	60	61	76	79	77	64	50	43	46	49	42	49	38	49	56	49	43	39	39	31	33	25	..	53.9
	Minimum	58	60	44	37	38	41	51	51	44	37	37	45	56	49	40	38	38	41	40	37	34	29	29	31	36	37	29	25	28	12	..	39.2
Marshall	Maximum	79	77	76	56	..	72	71	70	58	62	79	74	78	78	66	51	51	47	46	46	45	46	53	46	45	43	38	40	37	31	[a]	57.3
	Minimum	56	63	45	38	..	37	51	53	45	37	37	48	53	53	38	38	38	41	36	36	35	30	31	33	37	28	28	24	28	12	[a]	38.9
Mountain Grove	Maximum	77	72	70	63	60	65	61	65	64	62	65	72	72	73	69	49	45	45	44	41	41	50	55	53	43	46	37	35	37	37	..	55.6
	Minimum	53	56	56	43	40	40	44	52	44	36	38	45	52	52	36	31	38	37	33	34	32	29	30	30	35	36	28	23	29	16	..	38.3
Neosho	Maximum	79	78	75	64	73	75	72	73	63	72	75	77	73	73	60	52	44	48	46	50	49	54	61	57	56	52	46	46	43	41	..	60.9
	Minimum	56	63	61	50	49	49	60	54	45	31	43	53	63	54	36	32	40	42	38	35	32	24	27	35	40	35	30	23	30	20	..	41.7
Nevada	Maximum	79	76	74	67	63	76	75	70	64	68	78	78	78	73	58	49	45	50	48	51	45	56	60	53	48	47	43	44	43	43	..	60.1
	Minimum	59	65	50	44	44	45	54	53	41	31	46	53	60	49	35	34	40	42	39	39	34	24	29	34	39	34	29	29	28	15	..	40.6
Sedalia	Maximum	78	77	75	59	54	72	70	68	61	62	74	77	74	73	61	46	49	47	45	45	44	47	53	51	47	45	37	41	39	34	..	56.8
	Minimum	60	64	46	39	38	48	54	51	33	45	44	55	59	52	40	38	39	40	37	36	35	29	31	31	37	34	28	25	29	13	..	40.3
Springfield .. ½ mile E	Maximum	76	73	65	63	59	68	63	68	59	64	71	74	72	68	49	40	44	47	41	44	38	50	55	46	45	45	39	38	38	27	..	54.3
	Minimum	55	59	49	45	45	45	49	48	43	35	44	51	54	45	36	32	38	40	33	32	30	28	30	31	37	30	27	25	25	16	..	38.6
Warrensburg	Maximum	..	..	..	..	..	72	72	72	60	59	75	77	76	76	63	48	47	49	48	47	45	50	52	53	50	45	38	42	42	38	[e]	55.8
	Minimum	..	..	..	..	37	48	53	50	44	36	42	54	60	50	37	38	40	41	38	37	34	28	31	32	37	32	28	25	28	12	[d]	38.2
Southeastern Division																																	
Arcadia /	Maximum	88	80	77	70	69	70	75	74	66	68	68	78	81	77	63	50	51	50	49	45	47	60	60	55	62	66	40	38	40	38	..	61.8
	Minimum	43	49	49	45	33	32	36	40	45	34	30	36	38	49	41	37	36	40	34	32	32	32	35	35	23	23	32	32	19	20	18	34.9
Birch Tree .. ½ mile E	Maximum	78	75	63	64	58	64	63	68	61	64	64	73	72	71	67	46	46	50	46	43	44	50	..	57	43	50	39	35	38	34	..	[a] 56.2
	Minimum	44	57	57	47	38	40	43	54	33	33	36	39	51	54	38	31	40	37	34	33	26	33	..	25	37	39	27	19	30	19	..	[a] 37.7
Caruthersville /	Maximum	77	77	74	65	58	62	73	63	57	57	63	72	73	69	60	53	55	50	42	45	48	51	60	48	52	63	41	40	41	37	..	57.5
	Minimum	53	56	55	53	40	40	41	45	52	40	40	40	42	49	49	38	38	42	38	35	33	33	33	32	35	40	39	36	32	27	..	40.9
Crystal City	Maximum	*81*	*78*	*76*	65	57	58	71	68	66	56	65	75	75	75	71	50	50	51	43	42	43	49	54	57	43	67	51	40	42	40	..	58.6
	Minimum	48	61	60	40	30	42	38	58	43	44	32	45	50	55	35	40	42	39	31	32	38	35	30	24	35	41	33	21	29	12	..	38.8
Doniphan	Maximum	81	80	70	69	58	66	69	68	66	66	65	73	79	73	70	58	55	50	48	49	52	55	62	55	49	60	50	39	44	38	..	60.6
	Minimum	45	48	53	51	38	39	35	51	46	31	32	34	47	57	37	29	37	41	36	33	27	37	31	24	39	45	30	19	31	23	..	37.5
Farmington	Maximum	78	76	70	60	54	59	68	65	63	56	61	70	74	70	65	49	49	48	44	41	42	49	53	46	42	56	49	37	35	34	..	55.4
	Minimum	53	59	59	41	31	43	41	55	44	39	35	43	52	56	40	37	41	39	32	32	37	34	31	26	35	40	32	22	31	17	..	39.2
Jackson	Maximum	77	77	76	68	59	57	72	68	64	54	57	69	73	71	66	54	48	48	48	44	46	50	55	54	45	59	58	39	39	38	..	57.8
	Minimum	50	51	55	47	31	43	40	54	48	39	34	36	47	56	41	34	43	36	34	33	39	38	32	26	37	44	35	33	32	20	..	39.6
Poplar Bluff	Maximum	80	80	72	66	59	64	71	65	62	65	65	75	75	69	65	49	52	52	45	46	48	53	61	48	50	62	48	38	43	36	..	58.8
	Minimum	41	55	53	47	36	42	36	55	41	34	33	34	41	58	37	31	41	41	36	35	29	37	30	26	38	45	33	25	32	22	..	38.2
Rolla /	Maximum	79	76	68	59	53	66	61	63	52	59	67	74	73	74	52	43	47	46	37	43	41	50	53	45	47	47	36	38	37	28	..	53.9
	Minimum	52	61	61	40	34	38	48	55	46	40	39	44	55	55	37	33	38	37	33	33	35	32	30	28	33	39	30	21	24	16	..	39.2
St. Louis	Maximum	80	76	68	54	51	48	68	66	54	48	52	72	72	73	54	47	45	48	42	43	43	44	49	43	44	56	37	39	36	26	..	52.6
	Minimum	56	62	47	40	38	42	43	54	47	44	43	44	54	54	43	43	42	41	34	35	39	36	36	36	36	37	32	32	26	16	..	41.1
Salem	Maximum	80	78	70	61	55	66	64	69	55	58	65	74	74	74	63	53	45	49	45	41	41	51	53	49	42	50	39	38	38	32	..	55.7
	Minimum	54	58	57	42	34	42	45	51	45	37	36	47	55	53	38	33	40	34	33	33	31	31	30	25	36	39	31	19	29	16	..	38.5
Sikeston /	Maximum	80	80	68	61	57	58	73	66	55	55	69	71	75	61	67	51	52	48	50	55	58	60	57	60	60	61	52	47	42	34	..	59.4
	Minimum	49	54	55	42	33	34	41	42	51	38	36	40	41	47	40	34	34	37	34	34	34	35	36	29	31	37	37	35	34	29	..	38.4
Union ..... 1½ mi. SE	Maximum	82	79	74	63	56	62	71	69	65	59	63	74	75	76	66	58	52	52	49	44	45	47	52	46	42	*58*	42	40	37	34	..	57.7
	Minimum	49	52	55	41	30	44	39	58	44	44	32	40	52	59	35	40	44	41	35	34	36	35	30	25	35	42	35	19	29	18	..	39.1
West Plains	Maximum	78	77	63	63	54	65	62	67	60	65	65	73	72	72	56	44	54	48	39	44	48	52	59	46	47	49	40	37	40	34	..	55.8
	Minimum	42	49	55	38	37	40	40	48	40	35	35	38	51	44	40	34	36	37	36	32	30	32	28	26	38	34	23	19	24	21	..	36.1
Cairo, Ill.	Maximum	76	77	73	61	56	54	71	65	57	53	60	68	72	67	57	50	51	49	43	46	47	48	55	47	51	58	46	38	40	35	..	55.8
	Minimum	59	60	60	45	37	42	45	56	44	43	44	46	51	57	50	41	44	40	36	36	41	40	37	34	39	46	38	35	34	23	..	43.4

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

WBO, St. Louis. 12-30-44—1000.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19

MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII DECEMBER 1944 No. 12

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

This month was the coldest December in Missouri since 1924 and the eighth coldest in the 57 years that state-wide records have been kept. It was a very unfavorable month for all outdoor farm work. Sunshine was again deficient for the second consecutive month, and much damp, foggy weather prevailed, with frequent periods of precipitation which added further to the discomforting and unfavorable characteristics of the month. Large quantities of feed and fuel were consumed and livestock required shelter much of the time.

Temperature and other weather changes were rather sudden and frequent during the month, with almost daily subnormal temperature averages, except at infrequent and short intervals of a day or two, when they were normal, or slightly above. There were no unusual extremes of temperature reported, the lowest for the month being 14° below zero, which has been exceeded frequently in past Decembers. The highest temperature this month, 70°, was the lowest December maximum recorded in the State in the past seven years. In fact, the low daytime temperatures, which prevailed this month, were largely responsible for the low monthly average.

Precipitation occurred at frequent intervals throughout the month and was very irregularly distributed. Two outstanding features of the month's precipitation were the very heavy and damaging glaze storm in several northwestern counties on the 3d-5th, and the heavy snowstorm which blanketed the northern two-thirds of the State on the 9-10th. The counties of Buchanan, Andrew, Holt, Nodaway, Worth, Gentry, and DeKalb bore the brunt of the glaze damage, and in these counties telephone and power lines and poles were broken and services disrupted. Many trees also suffered heavily. Damage to telephone equipment alone, in the affected areas, which included parts of Kansas and Iowa, was estimated at between $87,000 and $90,000, by the District Manager of the Southwestern Bell Telephone Company. The greater part of this damage occurred in Missouri, but a breakdown of the damage by states was not available. The superintendent of the Western Union Telegraph Company reported no damage of consequence to their facilities in Missouri. It was estimated that it would take fifteen to twenty years for many fine trees to recover in the Maryville area, where the glaze storm was reported as the worst ever experienced and where ice formed on wires and trees to a diameter of one inch. Traffic was greatly hampered by the heavy coating of ice on all surfaces, which remained on overhead objects until the 7th; however, the ground was still snow and ice-covered at that time. On the 9-10th heavy snow, ranging in depth from about four to more than nine inches, occurred over the northern two-thirds of the State. The snow was badly drifted by high winds on the 10-11th, thus blocking many roads and generally impeding highway and rail traffic. Several schools were forced to close as busses could not get through the deep drifts. This heavy fall of snow remained on the ground until the end of the month in most of the northern half of the State, generally in decreasing depths. Sleet and freezing rain, or drizzle, were unusually prevalent during December, except in the extreme southern portion, resulting in icy conditions that made motor travel extremely hazardous on numerous occasions.

Wheat was dormant, and over the northern half of the State

(Continued on page 75)

PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Sea-level pressure, extremes-inches				Wind				Relative humidity $			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	6:30 a. m.	12:30 p. m.	6:30 p. m.		
Columbia	30.72*	2	29.88*	7	7.7	21	nw	15	80*	66*	69*	31	1172
Kan. City Airp't.	30.68	26	29.90	17	9.7	26	nw.	31	81	71	72	37	1142
St. Joseph	30.68*	26	29.87*	17	8 2	23	nw.	15	89*	73*	78*	48	1194
St. Louis	30.78*	2	29.84*	7	10.5	24	nw.	11	79	67	71*	34	1106
Springfield	30.67	2	29.81	7	11.6	29	n.	21	89	73	78	39	1088
Cairo, Ill.	30.78	2	29.71	7	8.6	26	sw.	20	82	71	..	39	967
	.....	..	.....	..	....	..	.....	..	..	..	..	..	....

* Data for Airport station. $ C. S. T.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average, Northern Division	Average, Southwestern Division	Average, Southeastern Division	Snowfall, Average for State	Precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1888	35.9	70	0	2.43	1.88	3.03	2.39	....	6	..	..	..
1889	46.8	80	2	1.09	0.60	0.85	1.82	0.1	3	..	..	..
1890	36.0	76	− 3	1.18	0.82	1.14	1.57	4.6	3	..	..	..
1891	39.8	72	− 1	1.88	1.91	1.67	2.05	....	6	..	..	..
1892	29.4	75	−22	2.50	1.69	2.76	3.04	4.8	6	8	7	16
1893	35.2	76	− 7	0.97	0.80	0.67	1.44	2.7	5	11	11	9
1894	36.7	75	− 7	2.41	1.19	2.33	3.70	1.3	5	14	8	9
1895	34.3	69	− 8	6.40	5.12	8.57	5.50	3.4	8	9	8	14
1896	38.6	79	− 5	0.92	0.84	1.17	0.75	T.	3	13	8	10
1897	29.3	74	−14	3.03	1.92	2.98	4.19	6.3	7	8	8	15
1898	28.7	74	−20	1.65	1.62	1.84	1.48	5.1	5	17	6	8
1899	30.4	75	−13	2.22	1.90	2.02	2.74	6.6	9	12	9	10
1900	35.6	68	− 3	0.79	0.47	0.55	1.35	0.6	4	14	8	9
1901	28.5	71	−29	3.20	2.26	2.98	4.35	6.9	8	11	7	13
1902	30.7	68	− 7	3.32	2.02	2.76	5.18	3.1	8	10	4	17
1903	30.2	65	−11	1.70	1.05	1.56	2.49	2.3	5	16	7	8
1904	32.9	75	−10	1.55	1.56	1.24	1.84	6.0	5	16	7	8
1905	33.3	66	− 2	1.71	0.79	1.44	2.89	1.7	4	18	6	7
1906	36.1	73	0	2.52	1.67	1.85	4.05	0.6	8	8	6	17
1907	37.7	76	3	1.75	1.22	1.69	2.34	3.7	7	11	7	13
1908	38.4	80	− 4	0.78	0.54	0.94	0.86	T.	3	16	7	8
1909	24.9	76	−17	2.87	2.82	2.80	3.00	7.7	8	12	6	13
1910	31.2	67	− 5	1.49	0.94	1.14	2.40	2.4	4	16	5	10
1911	36.7	74	−11	2.85	2.74	2.56	3.26	5.1	7	13	6	12
1912	36.5	72	2	0.62	0.54	0.49	0.82	0.6	3	19	5	7
1913	38.3	74	− 3	2.26	2.11	2.84	1.83	6.6	7	9	4	18
1914	26.8	68	−18	2.51	1.69	2.20	3.65	6.6	9	7	5	19
1915	34.7	68	−13	2.99	1.48	2.45	5.03	7.8	6	12	6	13
1916	31.3	82	−29	1.92	0.78	1.54	3.44	4.4	6	15	6	10
1917	25.5	82	−23	0.76	0.41	0.75	1.13	7.3	5	11	7	13
1918	40.0	83	−12	3.23	2.27	2.81	4.62	7.8	7	13	6	12
1919	28.5	74	−22	0.72	0.41	0.66	1.08	0.7	3	12	4	15
1920	35.6	77	−10	2.12	1.25	1.49	3.61	2.3	5	13	7	11
1921	36.9	74	− 8	1.97	1.26	2.00	2.65	1.9	6	13	7	11
1922	36.3	75	− 6	2.27	0.75	1.71	4.35	0.2	6	15	6	10
1923	41.0	82	− 4	3.07	1.63	2.96	4.62	0.8	8	11	6	14
1924	27.7	80	−28	3.48	2.94	3.45	4.06	4.6	7	13	6	12
1925	31.6	69	−10	1.43	1.53	1.27	1.50	4.8	4	13	7	11
1926	32.6	75	−12	2.16	1.17	2.12	3.20	2.4	6	11	5	15
1927	29.9	74	−11	2.81	1.64	2.55	4.23	2.9	6	15	5	11
1928	36.2	81	0	2.29	1.37	2.49	3.00	1.4	5	14	6	11
1929	35.2	76	− 9	1.74	0.67	1.11	3.43	3.7	6	13	5	13
1930	34.2	70	2	1.24	0.79	1.35	1.57	1.9	5	15	6	10
1931	42.7	80	11	2.71	2.53	1.51	4.10	1.7	8	11	6	14
1932	31.2	77	−21	4.74	3.18	4.98	6.07	5.7	7	12	6	13
1933	39.1	78	− 7	1.92	1.52	1.67	2.56	0.4	5	12	7	12
1934	31.6	69	− 3	1.80	0.94	1.72	2.74	5.0	7	10	6	15
1935	30.7	66	−11	1.20	0.85	1.03	1.73	2.8	6	11	7	13
1936	38.4	69	− 7	2.83	2.19	2.71	3.60	2.2	7	12	7	12
1937	32.0	66	− 2	2.24	1.50	1.90	3.32	0.6	9	8	6	17
1938	35.9	72	2	1.83	1.66	1.52	2.32	0.2	6	15	7	9
1939	38.8	80	− 5	1.45	1.11	1.46	1.79	6.3	6	15	7	9
1940	38.6	78	− 2	2.59	1.77	2.33	3.66	1.7	8	10	5	16
1941	39.6	72	3	2.21	1.92	1.94	2.76	2.1	6	11	7	13
1942	32.7	76	− 4	4.01	3.38	4.32	4.34	7.4	10	8	7	16
1943	31.3	72	−20	2.10	1.88	2.38	2.04	6.8	6	12	6	13
1944	29.1	70	−14	2.26	2.05	1.88	2.86	5.1	8	8	7	16
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
	....	..	....	....	....	....	....	....	..	..	..	..
Period	34.2	83	−29	2.19	1.57	2.07	2.92	3.5	6	12	7	12

Climatological Data for December 1944

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours [4]	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Northern Division																					
Albany	Gentry	930	3	24.7	.....	40	2†	− 9	26	15	4.15	+3.28	1.75	3-4	7.5	9	9[a]	13[a]	8[a]	nw.	Curtis E. Grace
Bethany	Harrison	916	49	....	.....	..	..	..	..	51	....	.....	....	..	....	..	..	..	..	.....	A. S. Cumming
Brookfield	Linn	767	3	24.2	.....	42	20	− 1	26†	3	2.23	.....	0.75	4-5	10.0§	6	9	7	15	e.	G. F. Breen
Brunswick	Chariton	652	63	25.9	− 4.7	45	20	2	27	65	1.91	+0.24	0.74	5	11.0	9	10	1	20	nw.	O. K. Benecke
Canton, Lock & Dam 20	Lewis	488	6	25.5	.....	41	4†	− 5	26	14	1.19	−0.44	0.39	5	8.7	10	9	7	15	nw.	Lockmaster
Chillicothe	Livingston	779	35	25.4	− 4.5	46	9	2	26	38	2.58§	+1.16	*0.81*	5	9.0§	8	16	2	13	nw.	Wm. J. Olenhouse
Clifton Hill	Randolph	731	45	25.7	− 5.3	..	..	..	..	35	1.79§	+0.07	0.70	5	11.7§	11	..	..	..	.....	Dr. A J. Bradsher
Columbia	Boone	740	54	27.2	− 6.8	48	20	3	26	54	1.58	−0.28	0.62	9-10	7.3	8	4	9	18	s.	U. S. Weather Bureau
Conception	Nodaway	1,108	55	24.0	− 5.2	58	15	− 5	26	60	3.24	+2.36	1.91	3-4	7.0	9	6	6	19	nw.	Fr. Adelhelm Hess
Edgerton	Platte	856	24	....	.....	..	..	..	..	41	....	.....	....	..	....	..	..	..	..	.....	Paul C. Handley
Elsberry	Lincoln	449	13	27.6	− 6.8	49	4	− 6	26	13	1.04	−1.17	0.58	9	8.0	3	4	18	9	n.	John Dowell
Fayette	Howard	760	64	27.4	− 3.7	48	20	− 2	26	61	1.44	−0.22	0.58	5	8.5	9	7	7	17	nw.	Irvin E. Schnell
Fulton	Callaway	818	56	26.4	− 7.1	50	20	0	26	52	2.14	+0.13	0.73	10	10.7	7	10	3	18	w.	Frank E. Hillgartner
Grant City	Worth	1,134	40	23.2	− 4.8	37	7†	− 7	26	52	2.68§	+1.62	1.31	3-4	10.7	6	6	12	13	n.	J. Homer Korn
Hannibal	Marion	759	52	23.8	− 7.7	45	4	− 3	26	60	1.52	−0.02	0.44	5	14.8	8	7	11	13	se.	Hannibal Water Dept.
Kansas City Airport	Jackson	741	55	28.2	− 4.3	46	8	9	26	55	3.74	+2.54	2.19	3-4	7.5	8	6	8	17	nw.	U. S. Weather Bureau
Kansas City Univ.	Jackson	908	6	29.5	.....	46	8†	11	26	6	4.41	.....	2.83	4	....	8	..	..	..	n.	University of Kansas City
Kidder	Caldwell	1,020	52	24.4	− 4.8	42	20	− 5	26	56	2.89§	+1.62	1.35	3-4	7.4§	9	7	13	11	nw.	Mrs. Geraldine Terry
Kirksville	Adair	969	55	24.6	− 5.0	41	20	− 3	26	62	2.12	+0.36	0.75	4-5	12.0	9	11	4	16	sw.	P. O. Selby
Lawson	Ray	1,070	6	26.2	.....	42	6†	1	26	6	3.57	.....	1.67	3-4	9.1	7	5	15	11	ne.	Elmer E. Lamb
Louisiana	Pike	469	50	24.8	− 7.0	49	4	−14	26	63	1.51§	−0.39	*0.60*	9-10	10.4	6	8	9	14	n.	Stark Bro's Nurseries
Macon	Macon	875	45	24.2	− 5.9	44	20	− 3	27	51	1.57	−0.07	0.72	3-4	9.3§	10	5	9	17	nw.	John W. Atwell
Maryville	Nodaway	1,169	54	22.2	− 4.6	37	7†	− 5	26	50	2.75	+1.67	1.26	3-4	6.9	9	8	3	20	nw	R. B. Montomery
Memphis	Scotland	787	5	22.0	.....	39	20	− 6	26	14	1.39§	+0.11	0.62	4-5	8.2	8	9	9	13	nw.	John W. Alexander
Mexico	Audrain	800	55	26.0	− 5.8	50	20	− 6	26†	66	1.56	−0.35	0.64	9	8.1	5	10	5	16	w.	Darrence W. Stuart
Moberly .....3½ mi. NE	Randolph	860	7	24.6	.....	45	20	− 2	26	7	1.62§	.....	0.68	4	9.8	6	12	6	13	nw.	F. W. Bell
New Florence. 1 mi SE	Montgomery	885	1	26.0	.....	49	4	0	26	2	0 94	.....	0.37	9-10	8.5	5	4	8	19	nw.	U. S. Weather Bureau
Oregon	Holt	1,048	88	26.1	− 2.6	42	15	0	26	88	3.90	+2.86	1.83	4	11.0	9	9	14	8	nw.	Miss Mina Wright
St. Charles	St. Charles	520	56	27.0	− 7.9	54	20	4	27	66	1.10§	−0.69	0 40	5-6†	6.3	6	7	9	15	nw.	Martin L. Comann
St. Joseph	Buchanan	957	34	26.4	− 3.2	43	20	2	26	72	4.57	+3.28	2.39	3-4	7.5	10	11	9	11	nw.	U. S Weather Bureau
Saverton, Lock No. 22.	Ralls	472	6	26.0	.....	45	4	− 9	26	6	1.32	.....	0.45	9-10	12.0§	11	10	9	12	nw	Lockmaster
Shelbina	Shelby	779	3	25.5	.....	45	20	− 3	26	51	1.60	+0.06	0.60	5	8.8§	9	9	5	17	nw	Guyman Hatcher
Steffenville	Lewis	650	46	25.2	− 5.4	42	4†	− 5	26	51	1.31	−0.38	0.52	5	8.9	8	10	7	14	nw.	Mrs. Fannie V. Gross
Tarkio	Atchison	916	41	22.8	− 3.6	43	7	− 6	26	50	1.84	+0.88	1.00	3-4	8.5	6	8	14	9	s.	C. A. A. Station
Trenton	Grundy	822	48	26.2	− 3.4	42	20	− 7	26	49	2.71	+1 30	0.94	3-4	10.2§	9	11	6	14	n.	W. H. Estes
Unionville	Putnam	1,062	51	21.8	− 5.8	41	20	− 5	26†	51	2.55	+0.84	0.95	3-4	10.0	5	7	17	7	nw.	C. D. Wilson
Vandalia	Audrain	766	0	27.5	.....	54	4	− 9	26	5	1.36§	.....	0 52	5	*9.0*	7	1	9	21	n.	H. G. McIntire
Warrenton	Warren	816	62	28.6	− 3.8	49	4	2	26	54	1.14	−0.94	0.59	9-10	7.2§	5	10	10	11	w.	W. T. Zimmerman
Keokuk, Iowa	Lee, Ia.	574	72	24.8	− 4.8	47	4	0	18	72	1.13	−0.32	0.39	5	7.9	8	7	6	18	nw.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**25.4**	**− 5.2**	**54**	**20**	**−14**	**26**	..	**2.05**	**+0.48**	**2.83**	**4**	**9.2**	**8**	**8**	**9**	**14**	**nw.**	
Southwestern Division																					
Anderson ...1½ mi sw	McDonald	1,000	40	31.8[a]	− 5.7	62[a]	20	2	12	45	1.55	−0.80	1.05	5	*1.5*	4	11	3	17	.....	Samuel G. Chamberlain
Appleton City	St. Clair	813	49	30.0	− 4.6	53	20	7	12†	52	1.93§	+0.34	0.78	4-5	6.0	7	10	2	19	ne.	Rolla Brown
Bolivar	Polk	1,071	41	31.6	− 4.0	59	20	7	12	49	1.43	−0.91	0.73	4-5	3.2	8	12	3	16	nw.	Southwest Baptist College
Boonville	Cooper	650	6	26.4	.....	47	20	3	27	67	1.43	−0.27	0.57	4-5	9.0	7	6	6	19	ne.	Boonville Water Dept.
Carthage	Jasper	962	10	33.7	.....	62	20	9	12	20	2.12	.....	0.82	4-5	*3.0*	6	9	9	13	ne.	Carthage W. and E. Plant
Clinton	Henry	786	51	28.3	− 6.4	53	20	3	12	57	1.54	−0.33	0.48	4	5.0	10	11	4	16	e.	U. S. Weather Bureau
Eldon	Miller	934	49	30.4	− 3.9	58	20	7	26	45	1.58§	−0.18	0.65	5	6.0	5	8	10	13	n.	E. H. Shepherd
Fort Leonard Wood	Pulaski	1,107	3	28.2	.....	60	20	9	22†	3	1.14§	.....	0.58	5	2.5	7	10	14	7	n.	U. S. Army Medical Corps
Harrisonville	Cass	904	66	27.0	− 4.3	51	20	6	26	69	2.64	+1.19	0.89	3-4	7.5	7	5	5	21	ne.	John H. Patterson
Jefferson City	Cole	557	54	28.4	− 4.5	54	20	7	26†	62	1.55	−0.39	0.85	9	8.5	5	9	4	18	n.	Mrs. Frank Kliegel
Joplin	Jasper	1,008	22	33.2	− 6 0	61	20	14	12	39	1.59	−0.30	0 38	26	....	8	9	7	15	ne.	Empire Dist. Electric Co.
Lakeside	Miller	595	13	30.0	− 7.3	58	20	10	2†	13	1.36	−0.94	0.56	4-5	....	9	8	6	17	nw.	W. S. Frame
Lamar	Barton	980	56	30.0	− 5.2	59	20	7	12	63	1.75	−0.13	1.10	5	3.0	3	10	2	19	nw.	Mrs. Marie Mann
Lebanon	Laclede	1,265	56	30.8	− 4.0	59	20	7	12	57	1.37§	−0.91	0.62	5	2.0	7	5	9	17	nw.	Mrs. Rosa E. Montelius
Lexington	Lafayette	688	59	27.0	− 5.0	48	20	6	26	60	3.23§	+1.64	1.12	4-5	9.4§	10	9	9	13	nw.	Miss Carrie Loomis
Lockwood	Dade	1,078	38	32.9	− 3.2	60	20	12	12	48	1.60	−0.54	0.95	4	3.0	5	9	4	18	se.	Hubert A. Nieman
Marshall	Saline	779	57	28.4[f]	− 3.5	45[f]	20	4[f]	26	54	2.08§	+0.33	0.70	4-5	9.0§	7	7[d]	11[d]	9[d]	sw.	Mrs. Merrel Peace
Mountain Grove	Wright	1,463	43	31.4	− 3.3	64	20	10	22	47	1.34	−1.07	0.50	7	0.3§	9	8	8	15	nw.	Mo. Fruit Exp. Station
Mount Vernon	Lawrence	1,174	32	....	.....	..	..	8	12†	44	1.69	−0.85	0.75	4-5	*4.0*	5	10	5	16	nw.	James C. Williamson
Neosho	Newton	1,011	57	35.0	− 2.1	62	20	5	12	61	1.86	−0.42	0.98	4-5	1.5	11	6	8	17	nw.	U. S. Fisheries Station
Nevada	Vernon	862	51	32.2	− 3.1	56	20	7	12	52	1.97	+0.22	0.91	4-5	4.5	9	9	3	19	ne.	Henry Kraft
Ozark Beach	Taney	700	4	32.6	.....	67	20	11	14†	19	2.22	−0.53	0.87	4-5	1.0	8	3	8	20	ne.	A. J. Sharp
Sedalia	Pettis	910	31	29.5	− 4.4	50	20	5	14	33	1.78	+0 50	0.66	5	8.0	6	6	8	17	nw.	Dr. J. E. Cannaday
Seligman	Barry	1,542	43	33.3	− 4.0	61	20	9	12	41	1.67	−0.53	0.93	4-5	3.5	6	11	5	15	e.	Floyd E. Fawver
Seymour 3½ miles NE	Webster	1,642	38	30.8	− 4.6	58	20	6	14	38	1.06	−1.20	0.58	4-5	1.2	6	10	3	18	nw.	A. L. Hailey
Springfield .. ½ mile E	Greene	1,301	56	29.8	− 5.7	60	20	9	12	56	0.91	−1.40	0.61	4-5	2.9	11	7	3	21	s.	U. S. Weather Bureau
Sweet Springs	Saline	700	3	28.2[a]	.....	48[a]	20	− 1[a]	14	3	2.25§	.....	0.72	4-5	10.6§	10	3[a]	16[a]	11[a]	nw.	H F. Nelson
Warrensburg	Johnson	878	57	29.6	− 3 8	50	20	6	26	64	2.17	+0.63	0.83	5	6.7	7	7	10	14	nw	Central Teachers College
Warsaw	Benton	687	43	31 2	− 4.5	55	20	2	14	49	1.89	−0.23	0.70	5	6.5	5	10	2	19	nw.	Dora B. Johnson
Wasola	Ozark	1,294	3	33.1	.....	65	20	11	22	4	2.65	.....	1.59	5-6	*0.2*	8	11	4	16	s.	A. W. Pinckney
Division means	**and extremes**	.....	..	**30.5**	**− 4.5**	**67**	**20**	**− 1**	**14**	..	**1.88**	**−0.19**	**1.59**	**5-6**	**4.6**	**7**	**8**	**7**	**16**	**nw.**	
Southeastern Division																					
Advance.... ¼ mile W	Stoddard	354	7	31.2	.....	60	20	10	22	7	3.48	.....	1.07	6-7	T.	11	5	5	21	n.	U. S. Weather Bureau
Arcadia	Iron	926	63	31.3	− 3.0	70	20	1	22	66	1.88§	−0.97	0.60	7-8	2.0	6	7	5	19	w.	Arcadia College
Birch Tree... ½ mile E	Shannon	1,000	49	31.2[e]	− 5.2	66[b]	20	6[e]	22	50	2.73	−0.02	0.92	7	0.5	9	12[b]	3[b]	14[b]	ne.	R. C. Moger
Black.....9 miles NW	Iron	1,000	51	29.6	− 5.2	60	20	0	14	51	2 18	−0.27	1.08	6.7	*0.5*	5	11	5	15	w.	Claude Volner
Campbell	Dunklin	314	18	34.2	− 4.2	62	20	10	22	18	5.25§	+1.30	1.30	24-25	1.4	10	11	4	16	ne.	Mrs. Ruth Christian
Caruthersville	Pemiscot	265	48	34.6	− 6.3	63	20	13	15†	52	6.28	+1.74	1.50	6-7	T.	16	11	2	18	e.	Victor T. Malloure
Crystal City	Jefferson	420	10	30.4	− 4.0	63	20	3	14	10	2.02	−0.52	0.72	7	5.4§	7	13	3	15	nw	Richard K. Ragland
Doniphan	Ripley	344	40	33.2	− 4.6	66	20	9	2†	40	3.77	+0.05	1.50	6-7	*T.*	8	15	1	15	ne.	Boyce Lackey
Farmington	St. Francois	806	33	30.6	− 6.1	62	20	7	22†	47	2.12	−0.68	0.90	7	2.6	7	11	4	16	nw.	F. M. Korsch
Greenville	Wayne	460	35	32.7	− 3.5	65	20	5	22	37	3.28	−0.08	0.96	6-7	*0.2*	7	10	6	15	n.	Beuford Shoemake
Jackson	Cape Girardeau	428	53	32.6	− 4.0	57	20	9	22	54	2.93	−0.50	0.89	7	*T.*	8	11	1	19	n.	John G. Putz
Koshkonong	Oregon	958	43	34.4	− 4.0	65	20	11	22	44	4.46	+0.98	1.20	6-7	T.	9	7	5	19	nw.	Mrs Genevieve T. Smith
Licking..... 4 miles N	Texas	1,170	7	31.4	.....	62	20	5	14†	7	1.16	.....	0.58	5	T.	3	12	4	15	n.	U. S. Forestry Service

Continued on next page

Climatological Data for December 1944 (Continued from preceding page)

Stations	Counties	Elevation, feet	Temperature, in degrees, Fahr.							Precipitation, in inches						Number of days				Prevailing direction of wind	Observers
			Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Length of record, years	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	With precip., .01 inch or more	Clear	Partly cloudy	Cloudy		
Southeastern Division—Concluded																					
Malden....4 miles NNW	Dunklin	292	1	33.0	.....	61	20	13	22	1	4.40	.....	1.19	6-7	T.	11	8	5	18	nc.	U. S. Weather Bureau
Marble Hill	Bollinger	532	49	30.9	− 5.8	63	20	4	2	51	2.68	−0.99	0.72	6-7	*T.*	9	11	8	12	n.	R. A. DeWitt
Poplar Bluff	Butler	339	39	32.6	− 5.2	64	20	10	22	40	3.77	−0.22	1.30	6-7†	T.	6	16	3	12	n.	Joe Roehm
Rolla	Phelps	1,202	41	28.3	− 6.3	60	20	6	26	60	1.09	−1.09	0.42	5	2.8	5	4	11	16	nw.	Rolla School of Mines
St. Louis	**St. Louis City**	165	107	29.2	− 5.7	55	20	6	26	107	1.52§	−0.69	0.52	9-10	6.5	8	5	8	18	nw.	**Section Center**
St. Louis Airport	St. Louis	556	7	28.0	− 5.4	54	20	4	26	13	1.75	+0.02	0.70	5	6.7	7	3	12	16	nw.	U. S. Weather Bureau
St. Louis University	St. Louis City	578	32	29.1	− 6.0	54	20	6	26	32	1.90	−0.51	0.78	9-10	6.4	10	8	5	18	nw.	St. Louis University
Salem	Dent	1,206	40	30.6	− 4.8	62	20	7	22	43	1.34	−1.20	0.50	7	0.5	5	10	5	16	n.	E. E. Martin
Sikeston	Scott	318	37	31.5	− 6.2	50	8	8	2	47	5.37	+1.43	0.98	24-25	0.5	15	5	10	16	n.	William B. Seabaugh
Union .....1½ mi. SE	Franklin	520	6	30.4	.....	58	20	3	26	27	1.47§	−0.74	0.44	5	6.4§	8	10	6	15	nw.	Cornelius Sieges
Vichy .....2 mi. NW	Maries	1,125	8	28.2	.....	58	20	5	26	9	0.99	.....	0.61	5	1.5	8	4	11	16	nw.	Civil Aeronautics Adm.
Wappapello Dam	Butler	475	5	31.4	.....	62	20	11	22†	5	4.24	.....	1.52	6-7	T.	9	1	5	25	nw.	U. S. Engineer Office
Weingarten	St. Genevieve	833	3	30.2	.....	61	20	6	22†	4	2.05§	.....	0.95	7	2.5	6	11	6	14	n.	William J. Miller
West Plains	Howell	1,005	7	31.0	.....	65	20	9	22	7	2.93	.....	....	..	0.5	10	6	7	18	e.	U. S. Weather Bureau
Willow Springs 500 ft E	Howell	1,238	3	31.6	.....	66	20	9	2†	37	2.92	+0.12	1.41	6-7	T.	8	12	4	15	n.	Allen Frazee
Cairo, Ill.	Alexander, Ill.	314	72	33.6	− 4.2	59	20	13	22	73	4.89	+1.49	1.90	24-25	0.6	12	8	4	19	nc.	U. S. Weather Bureau
Division means	**and extremes**	.....	..	**31.3**	**− 5.0**	**70**	**20**	**0**	**14**	..	**2.86**	**−0.06**	**1.78**	**6-7**	**1.6**	**8**	**9**	**5**	**17**	**n.**	
State means	**and extremes**	.....	..	**29.1**	**− 5.1**	**70**	**20**	**−14**	**26**	..	**2.26**	**+0.07**	**2.83**	**4**	**5.1**	**8**	**8**	**7**	**16**	**nw.**	

The departures from normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation for stations with 15 years or more of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. The normal may be found by adding the departures when minus (−) or subtracting when plus (+). Figures and letters following stations indicate distance in miles and direction of station from the city Post Office, unless otherwise indicated. T. Trace or 0.005 inch or less. [a], [b], [c], etc., number of days missing; for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated. † And other dates. ‡ Received too late to be included in means and summaries. [4] Best available used for stations not equipped with recorders. Post office address of: Altona is Adrian; Crane Mountain is Arcadia; East End is Goodland; Eastwood Lookout is Van Buren; Ellsinore Lookout is Mill Spring; Farber is Laddonia; Hailey is Cato; High Lookout is Birch Tree; Macedonia Lookout is Doniphan; Perry is Center; Pilot Knob is Ironton; Pineview Lookout is Duke; Sugar Camp Lookout is Cassville; Wilderness Lookout is Lampe.

Daily Evaporation (inches), Mean Temperature (F°), and Wind Movement (miles) for December 1944
(See precipitation data in daily precipitation table)

Station	Data	Day of month																													Monthly
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Columbia..... (Univ. of Mo. Hort. Exp. Sta. 9 mi. WNW.)	Evaporation																														
	Mean temperature	20	24	27	37	36	32	36	32	26	26	23	20	18	19	22	30	30	18	23	32	20	22	20	28	26	14	16	22	27	31	32	25.5
	Wind movement ..	102	19	91	88	35	49	38	60	26	1	5	26	102	78	50	148	88	143	77	67	155	84	81	75	63	93	39	7	8	15	19	1,917
Lakeside ..... (Osage Dam)	Evaporation ...																														
	Mean temperature	22	27	28	40	39	36	38	40	28	30	26	25	24	29	31	36	36	24	32	40	25	26	23	32	30	20	22	26	29	34	34	30.0
	Wind movement ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
St. Louis ... (Washington University)	Evaporation																														
	Mean temperature	24	26	31	34	36	34	36	34	28	29	26	22	22	22	29	28	34	24	30	40	24	22	22	32	28	17	18	24	27	32	34	28.0
	Wind movement ..	54	21	36	25	31	45	51	52	35	42	42	61	32	46	43	66	36	80	42	40	101	65	30	56	38	97	39	32	24	41	23	1,426

Observations taken at 8:00 a. m. except at 7:30 a. m. at Lakeside. For Lakeside and St. Louis (Washington University) descriptions see April 1932 and August 1938 reports, respectively. * Included in next measurement.

(Continued from page 73)

it had a protective blanket of snow throughout most of the month. Very little progress was made in getting corn and cotton out of the fields, because of persistent and unfavorable weather conditions; farm work was mostly limited to seasonal chores and caring for livestock.—M. R. W.

TEMPERATURE

The monthly mean for the State, 95 stations reporting, was 29.1°, or 5.1° lower than the 57-year December average. The highest monthly mean was 35.0° at Neosho, and the lowest was 21.8° at Unionville. The highest temperature reported was 70° at Arcadia, on the 20th, and the lowest was 14° below zero at Louisiana, on the 26th.

PRECIPITATION

The average for the State, 208 stations reporting, was 2.26 inches, or 0.07 inch more than the 57-year December average. The greatest monthly amount was 6.28 inches at Caruthersville, and the least was 0.91 inch at Springfield. The greatest amount reported in 24 hours was 2.83 inches, at Kansas City University, on the 4th. The average number of days with 0.01 inch, or more, was 8.

Snowfall averaged 5.1 inches, or 1.6 inches more than the 55-year December average. The greatest monthly total was 14.8 inches at Hannibal.

MISCELLANEOUS PHENOMENA

Aurora.—Observed locally on 19th.

Flood.—In Grand River 5th to 9th.

Fogs.—Dense, 5th, 6th, 7th, 8th, 10th, 14th, 20th, 23d, 24th, 25th, 28th, 29th, 30th, 31st.

Glaze.—2d, 3d, 4th, 5th, 7th, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st.

Sleet.—3d, 4th, 5th, 9th, 10th, 24th, 25th, 26th, 27th, 28th, 29th, 30th.

Windstorms.—No damaging windstorms reported.

ERRATA

September 1944, page 56: Greatest 24-hour precipitation and date at Clinton should be 2.44 inches, on 27-28th.

October 1944, page 63: Mean temperature at Vichy and West Plains should be 60.3° and 59.0°, respectively. Page 66: Minimum temperature on 5th and 22d at West Plains should be 60° and 39°, respectively; mean minimum should be 41.8°.

November 1944, page 67: Degree days at Columbia should be 579. Page 68: Mean temperature and departure at Columbia should be 46.1° and +2.0°, respectively. Total precipitation, departure, and date of greatest 24-hour amount at Tarkio should be 1.35 inches, −0.39, and 25th, respectively. Mean temperature and departure at Clinton should be 47.2° and +0.2°, respectively. Date of greatest 24-hour precipitation at Advance should be 8th. Page 69: Mean temperature at West Plains should be 45.9°. Page 70: Precipitation on 6th, 19th, and 20th at Tarkio should be T., .40, and .02, respectively; total should be 1.35 inches. Page 72: Maximum temperature on 19th at Columbia should be 44°; mean maximum should be 52.9°. Minimum temperature on 8th and 10th at Clinton should be 45° and 32°, respectively; mean minimum should be 38.4°. Minimum temperature on 19th at West Plains should be 33°; mean minimum should be 36.0°.

Daily Precipitation for December 1944

Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northern Division																																	
Albany	Grand			.40	1.75	.95				*	.35															.05		.20		.20	.25		4.15
Amity[2]	do		T.	.08	1.93	1.45	T.				.48	.05	T.	T.			T.					T.					.09	.15		.02	.01	T.	4.26
Auxvasse	Missouri					.45				.20	.60	.10	T.	T.												.10		.25		T.	T.		1.70
Bethany	Grand																																
Bowling Green[2]	Mississippi					.30	.08				.60	.13														.15	*	.35					1.61
Brookfield[2]	Grand				.48	.75					.40	.30		T.													T.	.25	.05				2.23
Browning	3 mi. NE			.24	.54	.73		T.		.13	.36	.04		.01			T.					T.		T.	T.	.07		.25		.02	.03	T.	2.42
Brunswick[2]	do				.25	.71	.02				.44	.08		.02								.01				.05	T.	.30		T.	T.	T.	1.91
Canton, Lock No. 20[2]	Mississippi				.02	.28	.11				.33	.19	T.	T.			.01					T.					.01	.19	T.	T.	.04	.01	1.19
Centralia[2]	do					.56					.56															.09	.28	.07					1.56
Chillicothe[2]	(A)			.05	.80	.81	T.	T.			.55	.10		T.								T.					.01	.25		.01	T.		§2.58
Chillicothe[2]	(B)			.05	.80	.81	T.	T.			.55	.10		T.								T.					T.	.28		T.	T.		2.59
Cliftou Hill	Chariton			.05	.10	.70					.48	.06		.02								.02				.08		.25		T.	.02	.01	§1.79
Columbia [1, 5]	Missouri				T.	.56		T.		.59	.03	.05	.02	T.		T.						T.			T.	.06	.07	.20		T.	T.	T.	1.58
Columbia [2]	9 mi. WNW					.56	T.				.55	.05														T.	.03	.21			.03	.02	1.45
Conception	do			.06	1.91	.78				.06	.18	T.										T.		T.		.04		.11		.04	.06	T.	3.24
Edgerton	do			.44	1.81	.20				.41	.06																						
Edina[2]	Mississippi				.08	.47					.40	.14		T.								T.					.02	.16		.03	T.	T.	1.30
Elsberry	do					.42					.58															.04							1.04
Elsberry S. C. S.[2]	do					.22	.08	T.			.62	T.	.05		T.										T.	.01	.05	.29			T.	.02	1.34
Farber[2]	1 mile N					.40	.01			*	*			.34												*	*	.34			T.		1.09
Fayette	Missouri			.04	.03	.58		T.		.22	.26	T.		T.								T.				.04		.25		.01	.01		1.44
Fulton[2]	do					.42	.10				.73	.02							.50			T.					.05	.32		T.			2.14
Gallatin[2]	Grand			T.	1.34	1.00		T.			.39	.03	T.	T.								T.					.06	.16		T.	T.		2.98
Grant City	do			.20	1.31	.72				.05	.27	T.										T.				T.		.12		T.	T.		§2.68
Hannibal[1]	(A)					.41				.25	.30	.04		T.							.03	.01				.22		.28		T.	T.	T.	1.52
Hannibal[2]	(B)					.32	.22				.57	.15	T.	T.								T.				T.	.15	.07	T.		T.		1.48
Hermann[2]	Missouri					.12	.23	.03	T.		.60		.05									T.				.01	.05	.03				.03	1.15
Kahoka[2]	Mississippi					.20	.26	.20			*	.70		.02												.08				*	.10	T.	§1.56
Kansas City Airport[1, 5]	Missouri		T.	.83	2.16	.16	T.	.01		.45	T	T.	T.	T.		T.					T.	T.			T.	.02	.07	.04	T.	T.		3.74
Kansas City University	do			.80	2.83	.15		.01		.40																.02	.09	.11					4.41
Kidder[2]	Grand			.04	1.35	1.07					.31	.02		T.								.01					.05	.02		T.	.02	T.	§2.89
King City	Missouri			1.11	1.64	.85				.07	.37			T.												.08		.24		.03	.09		4.48
Kirksville	Mississippi			.01	.29	.75					.45	.10		T.								.02		T.	T	.20		.20		.10	T.		2.12
Knoxville[3]	Missouri	T.	T.	.47	1.55	.35	T.	T.		.29	.02	T.	T.	T.							T	T.			T	.02	T.	T.	.01	T.		2.71
LaBelle[2]	Mississippi				.03	.42	.10				.50	.30		T.													T.	.20			T		§1.55
Lawson	Missouri			.36	1.67	.85		T.		.25	.28	T.	T.	T								T.				T.		.13		T.	.03		3.57
Linneus[2]	Grand			.10		1.50					.50	.10										T.				.03		.30		T.			§2.53
Louisiana[2]	(A)					.30	.10				.60	.06		T.								T.					.25	.20					§1.51
Louisiana[2]	(B)					.21	.24				.59	.06	.02	T.								T.				.04	.21	.25	T.			.03	1.65
Lucerne[2]	Grand			.02	1.19	.95	.11				.30	.03		.10														.18		*	.02		2.90
Macon[2]	Chariton				.11	.61	.04				.35	.10		T.								.02				.02	T.	.26		.03	.03		1.57
Madison[2]	Mississippi				.01	.58	.02				.49	.03		.01								.01				.08	.02	.22		.01	.02		1.50
Martinsburg[2]	Missouri	T.				.34	.04		T.		.72	.03	T.		T.											.01	.04	.32					1.50
Maryville	do			.41	1.26	.65				.08	.23	T.										.01				.04		.06		.01	T		2.75
Memphis[2]	Mississippi				.24	.62	T.				.20	.10														T.	.10			.08	.03	.02	§1.39
Mexico[2]	do					.50	.04		T.		.61			T.												.08	.30		T.	T.	T.	1.56
Milan[2]	Grand				*	.98					.80	.06														.07	.11		.03	.02		§2.07
Moberly[2]	3½ mi. NE				.04	.63					*	.70									T.	T.				.07	.13		T.		T.	1.62
Monroe City	do					.56					1.06															.07		.28			.04		2.01
New Florence[3, 5]	1 mi SE	Missouri	T.			.29		T.		.33	.04	T.	T.	T.		T.		T.				T			T.	T.	.01	.24		T	T.	T.	0.94
Oregon	do			.57	1.83	.70				.25	.30											T.				.07		.10		.04	.04		3.90
Palmyra	Mississippi					.50					.50	.07		T.								T.				.15		.22		T.	.04		§1.48
Paris[2]	do					.58	.01				.53	.07	T.	T.								T.				.07	.03	.21			.01	.01	1.52
Perry	1 mile E					.47					.35	.10										T.				.18		.09					1.19
Philadelphia[2]	do				T.	.48	.06				.46	T.										T.				T.	T.	.31			T.	T.	1.31
St. Charles[2]	Missouri					.02	.40				.40		.04	T.	T.							T.				T.	.04	.20					§1.10
St. Charles[2]	(B)	do				T.	.43	T.	.02		.62		.07	T.	T.				T.			T.	T.		T.	T.	.04	.26	T.	T.	T.	.01	1.45
St. Joseph[1, 5]	do		T.	.06	2.01	1.61	.14			.37	.04	T.									.01					.20	.06	.07		T.	T.	T.	4.57
Saverton, Lock No. 22[2]	Mississippi		T.				.17	.06			.45	.12	.03	T.	T							.03				.07	.13	.22	T.	T.	.02	.02	1.32
Shelbina	do				*	.04	.60			*	.47	.05										T.				.10		.28		T.	T.	.06	1.60
Shellyville[2]	do						.62				.46															*	.32						1.40
Steffenville	do				.05		.52		T.		.37	.06		T.								T.			T.	.02		.24		.04	.01		1.31
Tarkio[3]	Missouri		T.	.75	.81	T.				.16	T	T.				T.					.01			T.		T.	.03	.05	T.	T	T.	T.	1.84
Trenton[2]	Grand		T.	.17	.94	.87					.41	.01										.01				T.	.07	.18		T.	T.	.05	2.71
Troy[2]	Mississippi					.23	.12		T.		.65				T.												.03	.28		T.	T.	T.	§1.31
Unionville[2]	Chariton			T.	.95	.89					.40	.16															.15						2.55
Vandalia	Mississippi					*	.52			.15	.35	T.		T.								T.				.30	T.	.03		T.	.01	T.	§1.36
Warrenton	do					.35	T.	T.	T.	T	.59	.06		T.	T.							T.			T.	.07		.07			T.		1.14
Keokuk, Iowa[1]	do			.01	T.	.39		T.		.10	.32	.08	T.	T.		T.									T.	T.	.20			.01	.02	T.	1.13
Southwestern Division																																	
Altona[2]	Osage			T.	.60	.80	T.			*	.50																	.23		T.			§2.13
Anderson[2]	1½ mi. sw	Neosho				1.05	.08	.07			.35	T.											T.			T.	T.			T.			1.55
Appleton City	Osage			.10	.28	.78				*	.42											.08				T		.27		T.		T.	§1.93
Ava Ranger Station[2]	White					.55		.75			.10																				.30		§1.70
Bakersfield[2]	do																																
Bolivar	Osage					.73	T.	.03		.05	.21	T.	T	T.								T.			T.	.03		.31	T.	.05	.02	T.	1.43
Boonville[2]	(A)	Missouri				.04	.57	.02			.50		T.													T.	*	.02			.28	T.	1.43
Boonville[2]	(B)	do				.02	.55	.09			.75	.03		.02								T.				T.	.03	.30	T.		.01	T	1.80
Buffalo[2]	Osage						.59				.25																	.30	.06	.03			1.23
Butler[2]	do			.02	.56	.86	.01				.38											.02						.21		.02	.04		2.12
Caplinger Mills[2]	do			.05	.04	.89	.07	T.			.53		T.									T.						.35	T.	.03	T.	T.	1.96
Carthage	Neosho				.24	.82				.16	.28																	.52		.10			2.12
Clinton[3]	Osage			.10	.48	.12					.45		T.	.02	T.							.01			T.		.15	.10	T.	.01	.10		1.54
Concordia	Missouri			*	*	1.25				*	.34	T.		T								.01				T		.27		T	.02	T	§1.89
Crocker	Osage					.47		.30		.04	.10										.04					.02	.32						§1.29
Eldon	Missouri					.65				.12	.50	T.																.28			.03	T.	§1.58
Eldorado Springs	Osage			T.	.12	.90				.25	.42			T.								.05				T.		.30	T.	T.	T.	T.	2.04
Elijah[2]	White					.17	1.28	.89	.33		.10												T.			.45	.02	.35		.09		.02	3.70
Fort Leonard Wood[2]	Gasconade					.46	.12	*	.30		.18											.04				.04							§1 14
Galena[2]	White						.61	.07	.26	.09	.07											.06				.08		.46		.03			1.76
Granby[2]	do				.22	.84	.07	.22			.25												.10			*	*	*	.37	T.	T.	T.	2.07
Hailey	do				.13	.59	T.			.17	.13											.04					.70						1 76
Harrisonville[2]	Osage			*	.89	.87		.07		*	.59															T.	T.	T.		T.	.22		2.64
Jefferson City[2]	Missouri					.35	.10				.85															T.	T.	.15		.10			1.55
Joplin[1]	Neosho				.35	.34				.30	.03											.06					.38	.10	.03				1.59
Lakeside [2, 5]	Osage				T.	.52	.04	T.			.34	.01	T.	.01	T.							.03				.01	T.	.38				T.	1.36
Lamar[2]	Neosho					1.10	T.				.20																	.35					1.75
Lebanon	Osage					.62		.15		.06	.11											.05				.03		.35					§1.37
Lexington[2]	Missouri			.03	1.04	1.12		.02			.65				.04	.03						.02				.10		.18					§3.23
Lockwood	Osage			T.	.13	.82				.05	.30	T.										T.						.30					1.60
Macomb[2]	White																																
Marshall	Missouri			T	.10	.70				.25	.40			.03								T.				.04		.26					§2.08
Marshfield[2]	White					.53	.03				.10			T.												T.		.31		.01			§0.98
Mountain Grove[2]	do					.30	.20	.35	.15		.03								T.				.01			.01	02	.27			T.	T.	1 34
Mount Vernon[2]	Neosho					.75	.01	.09			.43											T.	T.			T.	T.	.41					1.69
Neosho	do			.01	.06	.98	.06	.08		T.	.19	T.										T.	T.		.01	.05		.24	.13	.05			1.86
Nevada	Osage			.04	.29	.91	T.			.24	.18								T.			.02			T.	.01		.25		.03	T.		1.97

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Stations	Drainage-basins	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Southwestern Division – Concluded																																	
Osceola[2]	Osage				.08	.48					.55											.02				.02		28	.15				1 58
Ozark Beach[2]	White					.72	.15	.10		.25	.17												03						.46		.01			2 22
Pierce City[2]	Neosho				.05	.85	.03	.11			.36												T.				.01	T.	.03			.01	T	3 45
Pleasant Hill[2]	Osage			.08	1.20	1.25		.04			.83	T.	T.	T.								T.				.01	T.	.03		T.	T.		1 63
Roby	Gasconade					.68		.10		T.	.12			T.								T.			.03	.02		.38					1 63
St. Thomas[2], 2¼ mi SW	Osage					.56	.05				.18											T.						.28					1 07
Sedalia	Missouri			T.	.10	.66				.25	.32	T.										.25				T.	T.	.20					1 78
Seligman	Neosho				.10	.93		.11		.08	.40	.05										T.			T.	T.			T.				1 67
Seymour[2] ... 3½ mi. NE	White					.58		.12			.09												.02						.15	.10			1 06
Shell Knob[2] ... 3 mi. SE	do				T	1.00	.05	.23			.09												.08					.18					§1 93
Siloam Sprgs Lookout[2]	do					.15	.80	.98	.40		T.	T.	T.	T.				T.	T.			T.			.09	.86	.05	.19	.11	T.	T.	T.	§3 10
Springfield[1, 5] ... ½ mi. E	do				.07	.54	.01	.02		.12	.04	T.	T.	T.					T.			.01			T.	T.	.03	.04	.02	.01	T.	T.	0 91
Storer[2]	Missouri					*	.64				.70											14						.32					§1 80
Sweet Springs	do			.16	.27	.72		.02		.34	.38	.04		.01								T.				T.		.29		T.	.02		§2 25
Tecumseh[2] ... ¼ mi. W	White					.38	.77	.69																		.48	.38	.10				.05	2 85
Topaz[2]	do				.45	.43	.93	.31											T.				T.		T.		T.						2 12
Vanzant[2] ... 3¾ mi. SE	do				T.	.39	.60	.86	.50													T.							T.	T.			2 35
Warrensburg	Missouri			.15	.30	.83				.42	.20			.03								T.				T		.24		T.	T.		2 17
Warsaw[2] ... (A)	Osage			T.	.10	.68	.02				.65	T.	T.									T.					.41				T.		1 89
Warsaw[2] ... (B)	do					.14	.58				.72		T.	T.								T.						.22					1 66
Wasola [2]	White					.20	1.59	.32			.02	.05										T.			.03	T.		.39	.05				2 65
Waverly[2]	Missouri			T	.50	.90	T.				.40			T.	T.											T.		.23		T.	T.		2 03
Wilderness Lookout[2]	White					.86	.17	.28	.07		.11												.05			.04		.67					2 28
Southeastern Division																																	
Advance[3] ... ¼ mile W	St. Francis					.07	.45	.94			.46	T.		.02				T.	T.			T.			.19	.70	.05	.30	T.	T.	.03	.27	3 48
Alton ... 10 miles SE	Black					.36	.81	1.00			.42														.22	.65		.47	T.	.02	.20		4 15
Annapolis[2] (1)	St. Francis					.09	.36	.63	.35																	.26							1 69
Anuapolis[2] (2) ... 7 mi. W	Black					.09	.36	.48	.53		.49	T.	T.		T.								T.			.23	.01	.34		T.			2 53
Arcadia[2]	St. Francis					.15		.40	.60		.20				T.								T.			.18	T.	.35	T.	T.	T.		§1 88
Bauner[2]	Black					.13	.27	.49	.59		.29	T.		T.								.01	.01				.04	.44				.02	2 28
Belleview	Meramec					.34	.06	.94	T.		.36	.03		.02											T.	*	.10	.25	T.	.06	.10	T.	§2 27
Bernie[2]	St. Francis					.31	1.31				.32				T.								T.			.91	T.	.94		.31		.22	4 32
Birch Tree[2] ... ½ mile E	Black					.05	.67	.92	.28		.28			T.								T.				.15	.03	.33	T.			.02	2 73
Black ... 9 miles NW	do					.46		1.08			.20														T.	.04		.40					2 18
Bloomfield[2]	St. Francis						.28	1.44	.20		.54	.11	T.													1.77	.27	.19	.06	T.		.12	4 98
Bunker[2] ... 4 miles NW	Black					.23	.42	.54	.57		.23																	.47					2 46
Campbell	St. Francis					T.	.81	1.18	.02		.47	T.		T.					T.			.10			.20	1.30		.50	T.	.02		.62	§5 25
Cape Girardeau[2]	Mississippi						.24	.66	.18		.12	.21	.03		T.								.03			.48	.18	.35	.10	.10	T.	.24	2 92
Caruthersville[2]	do						.25	1.50	.15		*	.35	.10		.02				.30				.13			1.00	.62	.68	.23	.20	.10	.65	6 28
Centerville[2]	Black					.12	.31	.70	.51		.40		T.		T.								.02			.09	.04	.35				.01	2 55
Cook Station[2]	Meramec					*	.48	.65			.10	.10										T.				*	*	.50					§1 83
Crane Mountain[2]	St. Francis					.08	.32	.73	.30		.50															.29		.39					2 61
Crystal City	Mississippi					.42	.07	.72			*	.47	T.	T.								.03				T.	T.	.31					2 02
Cuba	Meramec					*	.38	*	.40	*	.25	T.	T.									T.	T.			.01		.25					1 29
Deering[2]	St. Francis						.58	1.78	.14		.38	T.								29			.10			1.42	T.	.54				.84	6 07
De Soto[2]	Mississippi					.15	.33	.39	.37		.36		.03		T.							T.	.02			T.	T.	.35					2 00
Dexter[2]	St. Francis						.16	1.32	.37		.37	.14		T.												1.02	.55	.10	.40	T.	.05	.13	4 61
Doniphan	Black					.35	.15	1.50			.35	T.		T.											.17	.62		.41				.22	3 77
East End[2]	Meramec						.46	.50	.42		.24												T.				.02	.42					2 06
Ellington[2]	Black					.15	.51	1.30	.40		.34	T.														.13		.22			T.		3 05
Ellsinore Lookout[2]	do					*	1.20	.40			*	.35	T.													*	.70					.16	§2 81
Farmington	St. Francis					.17	.07	.90		T.	.47	T.		T.								.01			T.	.09		.41				T.	2 12
Fisk[2]	do					T.	.24	1.29	.21		.50	.07	T.	T.									T.			1.21	.31	.32	.11	.03	T.	.52	4 81
Fredericktown[2]	do						.40	.52	.29		.50			.02	T.								T.			.28	T.	.39		T.			2 40
Gerald[2]	Meramec					.23	.15	.10		*	.33		T.						T.			T.					.04	.26					1 11
Greenville[2]	St. Francis					.03	.61	.96	T.		.59				T.								T.			.48	T.	.40				.21	3 28
High Lookout[2]	Black																																
Jackson	Mississippi						.38	.89			.52	.02		T.								T.				.42		.44		.04		.22	2 93
Jefferson Barracks[2]	Mississippi					*	.40	*	.35		.33		.05		T.							T.					T.	.22			.04		1 39
Jerome[2]	Gasconade					.30		.40			.14											.05	.10					.40					1 39
Koshkonong	Black					.59	.70	1.20			.52											T.			.28	.57		.34	T.	.13		.13	4 46
Leeper[2]	do					.01	.66	1.05	.38		.40				.05								.01			.45	.07	.28				.10	3 46
Licking ..... 4 miles N	Gasconade					.58		.45			T.	T.		T.								T.						.13					1 16
Macedonia Lookout[2]	Black					*	.80	1.00	.50		.42		T.		T.								T.			.50		1.52				.20	4 94
Malden[3] ... 4 miles NNW	Mississippi					.03	.89	.67			.48	T.		T.					T.			T.			.13	.95	T.	.60	.03	.63	.01	.58	4 40
Marble Hill	do					.12	.35	.72			.32	T.	T.	T.								T.			.12	.39		.35		.19		.12	2 68
Meramec Park[2]	Meramec					.12	.27	.31	.08		.18		.07		T.							.02	T.			T.	.02	.02	T.	T.		T.	1 09
Morehouse	Mississippi						.36	1.42	.05		.43	T.		T.								T.			.11	1.49		.64		.01		.45	4 96
Moselle[2]	Meramec					.47	.20	.03			.28	.04	T.	T.	T.							T.					.05	.30					§1 37
New Madrid[2]	Mississippi						.35	1.24	.15		T.	.39	T.		T.				T.				.03			1.27	.25	.50	T.	.30	T.	.60	5 08
Owensville[2]	Gasconade					.32		.09			.39	.04										.03				.05	T.	.12					§1 04
Pacific[2]	Meramec				*	.48	.42	.19	T.		.32	.29	T.	T.	T.							T.	T.			T.	.15						§1 85
Parma[2]	St. Francis						.38	1.24	.12			.37	T.										T.			1.35	.10	T.		.62		.20	4 38
Perryville	Mississippi	T.				.42	.34	.92		1.10	.10	.10		T.						T.		T.			.10	.19		.25			T.		§3 52
Pilot Knob[2] ... 2 mi. NE	St. Francis					.06	.20	.58	.22		.30				.01											.08		.40					§1 85
Poplar Bluff[2] ... (A)	Black						.42	1.30	.15		T.	T.		T.												1.20	.10	.60		T.	T.	T.	3 77
Poplar Bluff[2] ... (B)	do					.02	.41	1.36	.13		.42	T			T.											1.23	.13	.38	.19	.04		.20	4 51
Puxico[2]	St. Francis						.32	1.30	.12		.50	.01			.01											1.05	.25	.56	T.	T.		.15	4 27
Qulin[2]	do						.39	1.43	.21		.10	T.														1.11	.19	.47				.43	4 33
Reynolds[2]	Black				T.	.18	.38	.62	.31		.10	T.											.05		T.	.23		.35					§2 22
Richwoods[2]	Meramec					.27	T.	.24	.69		.25		.05	T.	.01							T.	.01				*	.31					§1 83
Rolla[2]	do	T.				.34	.08	.30			.12	T.	T.	T.	T.								T.			T.	T.	.25		T.	T.	T.	1 09
Round Spring[2]	Black						.78	.96	.35		.15																.38						§2 62
St. Louis City Office[1, 5]	Mississippi	T.				.40	T.	.19			.10	.42	.06	T.	T.		T.	T.	T.	T.		T.			T.	.05		.29		.01	T.	T	§1 52
Airport[3, 5]	Missouri	T.				.70	T.	.09			.48	.20	.01	T.	T.		T.	T.	T.	T.		T.			T.	.05	T.	.22		T.	T.	T.	1 75
St. Louis Univ.[1, 5]	Mississippi					.44		.17			.40	.38	.10		.05		T.			.02			.04			.05		.25		T.	T.	T.	1 90
Washington Univ.[2]	do					.09	.38	.13	.02			.60		.12													.02	.32					1 68
Salem	Meramec					.46		.50		T.	.08	T.		T.												T.	.20			T.	.10	T.	1 34
Sikeston[2]	Mississippi					.30	.41	.69	.13		.37	.10	T.	T.	.11										.17	.98	.68	.50	.30	.03	.33	.27	5 37
Steelville[2] ... 2½ mi. NE	Meramec						.40	.50			.19											.01				.01		.20					1 31
Summersville	Black					.79	.07	1.55			.06	T.	T.	T.											T.	T.		.35	T.	T.			§2 87
Union ..... 1½ mi. SE	Meramec					.44		.18			.29	.02	.07														.12	.25					§1 47
Valley Park[2]	do						.42	.08	T.		.50	.01	.10						T.			T.	T.			T.	T.	T.				T.	1 11
Van Buren[2]	Black						.81	1.19	T.		.10															.36			T.			T.	2 46
Vichy[3] ..... 2 miles NW	Meramec	T.			T.	.61	T.	.12		.07	.04	T.	T.	T.						T.		.02			T.	T.	.04	.08		.01	T.	T.	0 99
Wappapello Dam[2]	St. Francis					.03	.45	1.38	.14		.37	T.	T.		T.											1.08	.16	.46		T.		.17	4 24
Weingarten	Mississippi					.30	.10	.95			.30	.05										T.				T.		.35	T.				§2 05
West Plains[3]	Black					.70	.50	.78		.07	.11	T.	T.	T.					T.	T.		T			.06	.36	.05	.19	.11	T.	T.	T.	2 93
Williamsville[2]	do					.06	.60	.48	.18		.42				.01											.71	.02	.50		.02		.16	3 16
Willow Springs .500 ft E	White					.86	.16	1.41	T.		.09									T.		T.				.08		.28	T.		.02	.02	2 92
Winona Ranger Sta.[2]	Black					*	.52	.83			.20	T.	T.		T.								.02			.17	.03	.04	T.			.02	1 83
Zalma[2]	Mississippi						.43	1.06	.17		.33															.52	.08	.16	.30	.08		.16	3 29
Cairo, Ill.[1, 5]	do				T.	T.	.34	.93			.35	.04		.01					T.			T.			.27	1.64	.05	.64	T.	.01	.02	.59	4 89

Except as otherwise indicated, amounts are for 24 hours ending late in afternoon. [1] Midnight to midnight. [2] Measured in the morning; for the preceding 24 hours. [3] Data for 24 hours ending 12:30 A. M. (C. S. T.) of following day. [5] Recording gage. T. Trace or 0.005 inch or less. * Included in next measurement. // Windshield on gage. Italics data interpolated. § Partly interpolated. (A) Record from cooperative station gage. (B) Record from river station gage. ‡ Received too late to be included in means and extremes.

Daily Temperatures for December 1944

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northern Division																																	
Brunswick/	Maximum...	30	33	38	39	37	39	37	39	32	29	27	27	27	37	43	38	36	30	36	45	20	38	27	32	27	21	34	33	36	37	34	33.5
	Minimum ...	13	16	16	30	33	32	29	25	24	25	22	14	9	8	11	28	27	10	8	18	20	9	13	20	24	3	2	9	11	26	33	18.3
Chillicothe/	Maximum...	27	40	38	35	36	41	39	45	46	29	26	28	27	37	41	36	34	31	35	42	16	36	25	29	26	22	33	31	35	35	29	33.2
	Minimum ...	10	11	22	34	34	30	31	26	27	29	22	8	8	8	10	25	26	5	6	18	10	10	14	17	22	2	5	12	13	27	27	17.7
Columbia	Maximum...	31	39	43	48	41	35	39	40	30	29	26	26	27	37	43	37	38	29	34	48	28	37	27	35	30	20	29	29	34	37	36	34.3
	Minimum ...	18	14	26	36	34	31	28	27	25	23	17	15	10	6	27	26	16	10	20	28	10	10	22	23	7	3	20	18	26	31	17	20.1
Fayette	Maximum...	31	38	38	42	40	38	39	40	37	28	26	27	24	37	44	37	36	30	36	48	36	38	32	34	33	23	32	31	35	36	37	34.9
	Minimum ...	16	12	27	32	34	30	30	27	24	25	21	11	18	3	22	25	23	6	17	25	13	8	20	21	22	− 2	14	14	26	31	25	20.0
Grant City	Maximum...	25	36	33	33	31	37	36	29	27	22	26	26	35	37	33	30	25	32	37	27	28	26	27	14	27	27	34	34	34	34	29	29.9
	Minimum ...	2	10	31	31	31	24	23	24	24	20	17	7	17	7	27	25	17	0	14	21	3	3	12	14	12	− 7	13	20	23	32	17	16.6
Hannibal	Maximum...	28	36	38	45	40	34	36	41	32	29	28	25	27	34	40	31	35	21	32	43	28	33	26	32	29	13	29	27	34	34	34	32.1
	Minimum ...	14	12	23	33	29	26	27	23	24	22	19	10	9	4	22	15	14	1	16	22	3	3	15	15	4	− 3	8	9	19	27	14	15.5
Kansas City Airport.	Maximum...	27	41	38	36	36	40	41	46	29	27	24	30	31	40	42	40	37	34	38	45	26	39	28	31	28	23	35	31	37	41	33	34.6
	Minimum ...	11	19	32	33	31	29	28	28	25	20	16	13	14	13	31	26	17	12	24	26	16	16	22	22	11	9	23	23	30	32	21	21.7
Kirksville	Maximum...	25	34	35	37	36	34	35	37	30	29	26	23	26	34	38	35	33	20	31	41	25	32	30	28	28	18	30	29	37	35	34	31.1
	Minimum ...	13	13	26	32	32	28	27	25	26	24	22	8	19	9	26	21	20	1	16	25	4	4	16	14	14	− 3	12	11	22	31	22	18.1
Lawson	Maximum...	29	41	36	34	35	42	39	40	33	26	23	25	27	37	41	36	33	29	34	42	32	38	29	30	28	24	34	31	34	37	37	33.4
	Minimum ...	8	13	30	32	32	27	27	28	24	21	18	8	11	8	17	24	21	4	15	27	11	9	18	20	18	1	17	16	25	33	22	18.9
Louisiana/	Maximum...	28	32	41	49	39	35	42	42	33	30	27	31	26	34	41	32	36	28	38	46	18	38	25	35	21	34	31	27	35	37	35	33.7
	Minimum ...	14	12	11	26	33	30	28	27	29	27	26	15	14	− 1	0	21	21	10	10	23	18	1	10	12	21	−14	−11	8	13	25	31	15.8
Macon/	Maximum...	30	37	37	41	36	34	36	40	31	30	27	36	27	37	40	35	35	24	35	44	17	36	24	30	28	20	31	28	35	35	33	32.5
	Minimum ...	12	13	13	29	32	30	28	24	25	25	23	12	10	7	9	23	23	5	4	15	14	3	7	18	22	− 1	− 3	10	10	19	32	15.9
Maryville	Maximum...	24	36	31	30	32	28	37	36	29	24	22	26	23	36	37	35	28	29	32	37	28	28	23	26	26	15	29	28	33	35	33	29.5
	Minimum ...	1	11	29	29	28	21	22	22	18	19	15	6	13	8	22	22	18	− 1	10	18	2	5	12	12	9	− 5	13	11	22	31	18	14.9
Mexico/	Maximum...	31	41	42	49	39	34	39	45	31	32	28	27	30	36	44	37	39	28	38	50	20	37	27	36	27	25	31	31	35	37	35	34.9
	Minimum ...	13	14	15	30	30	30	30	27	23	26	23	12	15	8	9	24	24	8	8	17	17	9	11	21	24	− 6	− 6	14	14	21	26	17.1
Moberly/	Maximum...	29	37	39	42	37	35	38	39	30	28	26	25	24	35	40	35	35	26	36	45	13	35	26	31	26	19	30	29	34	35	35	32.1
	Minimum ...	14	14	19	29	32	29	29	26	27	25	23	11	11	4	11	24	24	5	6	11	11	7	13	19	22	− 2	5	12	15	26	30	17.2
Oregon	Maximum...	29	39	39	33	34	32	41	39	35	27	24	28	29	41	42	40	35	37	35	41	32	33	28	30	29	20	33	32	35	37	37	33.7
	Minimum ...	3	14	30	31	30	23	25	27	21	21	16	10	17	16	29	19	20	5	17	27	7	10	15	17	12	0	16	17	26	33	19	18.5
St. Charles/	Maximum...	31	37	43	44	37	38	38	45	32	31	29	30	29	31	45	32	44	28	40	54	25	36	32	38	32	27	31	28	34	35	36	35.2
	Minimum ...	15	13	13	23	25	31	32	27	24	26	26	14	15	8	9	22	22	12	12	23	24	12	12	24	20	5	4	13	20	26	32	18.8
St. Joseph	Maximum...	28	39	36	35	34	36	42	39	29	26	25	30	30	39	41	40	34	36	36	43	24	36	27	30	25	22	32	30	36	37	31	33.2
	Minimum ...	8	17	32	33	29	26	27	26	24	29	13	13	16	15	30	23	15	10	21	24	12	14	19	21	7	2	19	20	28	29	19	19.7
Trenton	Maximum...	30	37	34	35	36	36	40	38	36	28	28	25	29	39	40	35	33	32	35	42	34	35	33	34	28	26	33	29	33	35	32	33.5
	Minimum ...	14	12	30	30	32	28	27	27	26	24	20	7	12	7	26	25	22	4	16	22	8	6	22	18	22	− 7	15	8	25	32	28	19.0
Unionville/	Maximum...	30	37	34	36	40	33	39	39	30	28	26	26	26	35	40	33	31	29	34	41	13	33	21	27	25	18	33	28	33	35	35	31.2
	Minimum ...	9	7	10	26	31	25	24	23	22	22	20	4	5	4	4	20	20	− 3	− 3	17	6	− 1	5	12	15	− 5	− 5	10	11	20	30	12.4
Warrenton	Maximum...	30	37	43	49	42	38	40	45	40	30	30	27	27	36	45	42	41	34	35	55	44	36	32	37	37	24	30	29	34	35	36	36.8
	Minimum ...	17	8	21	33	31	29	32	28	21	25	22	15	8	4	26	22	23	12	19	24	16	12	19	22	21	2	14	16	24	30	32	20.3
Keokuk, Iowa	Maximum...	28	37	39	47	39	35	36	37	32	30	26	22	27	36	39	33	34	21	30	40	28	34	26	31	30	13	32	24	36	38	34	32.1
	Minimum ...	14	18	28	37	32	29	30	27	30	26	20	14	10	8	27	17	9	0	4	28	5	4	15	15	5	1	13	12	21	32	15	17.6
Southwestern Division																																	
Clinton	Maximum...	28	41	41	40	40	40	41	52	32	29	26	29	28	41	44	40	39	32	40	53	31	42	28	33	30	26	32	30	35	40	37	36.1
	Minimum ...	11	12	27	33	34	31	27	27	25	20	14	3	8	6	26	27	18	12	22	29	12	11	22	25	14	8	24	21	30	32	23	20.5
Eldon	Maximum...	27	41	48	48	39	37	41	47	37	29	26	38	27	43	45	41	43	32	40	58	39	48	32	34	34	26	31	34	40	38	38	38.1
	Minimum ...	13	10	25	35	36	32	34	27	25	25	21	13	17	11	29	28	31	11	20	28	16	8	24	24	24	7	22	27	27	21	28	29	22.6
Harrisonville/	Maximum...	29	40	35	37	38	42	40	45	31	29	27	29	38	40	42	40	39	33	38	51	25	40	26	33	28	29	35	31	35	39	31	35.3
	Minimum ...	8	13	16	29	31	29	30	28	25	21	11	12	13	8	22	22	25	7	10	22	17	11	17	20	24	6	7	20	19	29	28	18.7
Jefferson City/	Maximum...	31	41	47	49	39	36	43	46	29	29	26	28	28	41	45	39	42	28	43	54	25	39	39	37	27	27	31	29	34	39	34	36.3
	Minimum ...	16	13	13	29	36	32	32	27	25	26	22	19	19	8	8	28	28	11	11	22	25	10	10	24	26	7	7	20	20	27	32	20.5
Joplin	Maximum...	34	42	50	47	42	38	42	55	42	27	22	30	31	46	47	42	46	36	51	61	34	45	34	38	35	32	32	32	36	44	40	39.8
	Minimum ...	17	24	34	37	37	35	35	31	27	20	16	14	23	19	35	26	26	17	30	34	20	17	29	29	25	16	28	28	31	36	26	26.5
Lamar/	Maximum...	38	45	44	43	41	39	45	54	34	31	30	35	35	45	47	43	48	37	48	59	32	46	32	36	32	31	34	34	38	44	34	39.8
	Minimum ...	13	13	20	31	33	32	32	25	26	21	14	7	11	10	12	23	22	14	12	23	22	12	15	24	27	12	12	24	24	30	29	20.2
Lebanon	Maximum...	30	42	44	48	45	38	40	50	48	29	24	31	28	43	45	41	48	39	42	59	57	41	40	37	37	26	30	30	32	38	38	39.4
	Minimum ...	11	12	25	34	34	31	33	24	26	23	19	7	20	9	28	27	26	13	21	31	20	8	23	24	23	8	23	21	26	30	29	22.2
Lexington/	Maximum...	30	44	34	35	37	42	38	43	46	27	28	29	29	39	44	38	37	31	38	48	22	40	27	30	31	27	28	33	36	39	30	34.8
	Minimum ...	12	13	18	24	32	30	30	32	28	21	19	10	12	12	11	29	28	9	10	23	14	11	18	21	12	6	12	19	21	31	27	19.2
Marshall	Maximum...	30	40	39	38	38	39	43	43	40	..	26	27	27	30	41	38	..	36	39	45	40	40	37	..	..	32	34	33	..	39	..	[f]36.9
	Minimum ...	14	14	29	29	34	31	31	29	25	..	20	8	19	7	29	28	..	8	*15*	27	14	10	20	..	..	4	12	12	..	26	..	[f]19.8
Mountain Grove	Maximum...	35	37	43	43	43	37	39	50	49	37	26	29	28	42	48	40	53	42	44	64	61	34	42	39	37	30	31	31	30	36	36	39.9
	Minimum ...	13	14	20	32	31	33	34	26	29	24	19	11	21	11	26	26	26	16	24	31	21	10	21	27	25	11	23	23	25	29	30	23.0
Neosho	Maximum...	40	46	54	52	47	42	42	56	54	38	29	35	34	49	51	43	52	44	51	62	60	47	44	42	40	33	33	33	36	46	45	44.7
	Minimum ...	16	18	33	35	40	35	37	24	30	22	17	5	25	12	28	24	25	18	20	33	26	13	20	30	28	20	28	26	30	35	30	25.3
Nevada	Maximum...	36	45	41	42	41	39	41	54	45	30	28	32	33	45	47	44	42	35	45	56	53	43	38	34	33	29	34	33	36	43	42	40.1
	Minimum ...	11	17	32	34	38	33	35	30	27	23	17	7	24	11	28	24	32	18	20	34	22	12	25	24	27	12	26	25	30	34	28	24.4
Sedalia	Maximum...	29	42	42	42	40	40	38	45	43	28	26	30	26	40	42	37	37	37	38	50	41	40	36	34	33	25	32	32	35	40	40	36.8
	Minimum ...	11	13	30	33	36	32	32	27	25	24	20	6	19	5	27	28	29	18	18	29	16	12	22	22	23	6	20	20	27	32	27	22.2
Springfield ..½ mile E	Maximum...	35	38	42	45	38	36	40	49	36	27	23	29	26	43	46	40	50	33	44	60	31	39	35	37	37	32	31	30	32	39	40	37.5
	Minimum ...	12	16	26	34	33	33	31	27	25	19	15	9	11	10	28	26	24	14	24	31	13	12	24	25	21	13	25	25	28	30	23	22.2
Warrensburg	Maximum...	27	43	38	39	39	42	40	46	46	30	27	29	28	41	44	42	37	30	36	50	46	39	36	33	33	27	32	34	35	40	40	37.1
	Minimum ...	11	14	30	32	34	31	32	28	26	23	18	9	21	10	28	28	27	10	21	29	16	12	22	21	24	6	21	20	27	32	26	22.2
Southeastern Division																																	
Arcadia/	Maximum...	32	45	52	58	43	47	44	55	40	40	34	32	32	40	58	47	62	40	50	70	40	39	40	40	45	30	37	32	34	31	41	43.0
	Minimum ...	17	7	6	15	35	33	35	29	25	27	23	18	9	8	4	25	23	23	20	22	29	1	5	21	25	12	9	23	23	26	29	19.6
Birch Tree .. ½ mile E	Maximum...	35	40	44	46	42	38	41	52	..	36	28	32	29	41	52	..	55	47	46	66	57	36	39	37	37	32	32	31	31	38	38	[b]40.6
	Minimum ...	14	8	13	..	34	36	37	..	25	28	23	19	22	8	20	..	16	21	16	28	23	6	16	27	27	14	23	25	26	27	32	[c]21.9
Caruthersville/	Maximum...	36	38	46	48	52	46	45	50	48	45	31	31	33	38	55	44	57	39	45	63	35	40	35	56	56	33	34	32	36	46	40	43.0
	Minimum ...	21	20	21	26	34	38	38	31	30	34	27	26	23	14	13	28	24	25	25	25	31	13	16	28	33	22	24	29	29	30	34	26.2
Crystal City	Maximum...	35	37	43	51	53	38	39	47	43	32	30	29	29	36	44	43	51	44	39	63	62	38	34	40	40	27	31	31	32	36	37	39.8
	Minimum ...	11	8	15	29	34	31	34	27	20	27	24	17	10	3	24	24	20	20	19	26	22	5	17	25	25	6	18	20	25	30	32	20.9
Doniphan	Maximum...	38	39	44	50	46	45	44	50	45	38	35	39	35	42	62	46	58	40	47	66	46	37	42	38	42	32	34	34	34	42	42	43.0
	Minimum ...	10	9	12	28	36	37	40	23	25	31	26	22	19	10	19	28	15	24	15	22	25	9	15	31	30	17	25	27	28	31	38	23.5
Farmington	Maximum...	28	38	45	50	43	37	39	46	44	32	28	27	28	38	47	43	53	41	39	62	57	36	37	38	35	25	32	31	32	35	37	38.8
	Minimum ...	17	8	20	30	34	32	33	28	25	27	23	18	18	8	25	26	26	20	22	27	21	7	22	25	25	7	20	21	24	25	32	22.5
Jackson	Maximum...	30	36	41	45	47	42	42	47	46	35	33	29	31	49	48	47	50	48	48	57	55	35	37	38	37	28	33	37	34	35	37	40.7
	Minimum ...	19	12	16	18	38	37	37	28	27	30	25	22	16	24	25	29	23	28	24	28	25	9	19	26	27	12	22	23	27	30	32	24.5
Poplar Bluff	Maximum...	35	39	44	48	42	42	43	54	41	36	33	32	33	32	55	45	57	43	43	64	51	38	40	38	41	30	31	32	34	40	40	41.3
	Minimum ...	14	11	15	15	35	38	38	25	26	32	26	22	19	14	25	29	21	30	18	25	32	10	11	30	28	12	25	27	28	30	31	24.0
Rolla/	Maximum...	26	39	43	46	37	36	39	46	30	28	24	28	27	40	47	39	49	30	42	60	26	38	32	38	29	29	31	29	32	37	35	35.9
	Minimum ...	13	11	17	31	34	31	32	26	25	25	21	17	18	11	14	28	28	14	15	23	21	7	10	25	28	6	8	21	22	28	31	20.7
St. Louis	Maximum...	28	37	43	45	40	38	39	43	32	30	29	25	28	34	45	36	42	28	34	55	33	35	30	38	36	21	31	28	34	37	38	35.2
	Minimum ...	22	22	24	33	35	31	33	29	27	26	25	17	17	14	29	23	26	18	22	31	14	12	25	25	13	6	21	21	27	32	23	23.3
Salem	Maximum...	29	40	43	44	45	37	39	47	40	31	27	30	29	42	48	42	53	39	42	62	51	39	37	37	35	31	31	30	31	35	36	38.8
	Minimum ...	14	8	22	33	33	33	31	26	24	26	22	18	19	9	24	28	25	17	22	26	20	7	22	26	24	9	23	22	26	29	29	22.5
Sikeston/	Maximum...	31	33	44	39	42	44	46	50	42	41	31	30	22	33	40	42	44	44	47	49	34	34	42	41	37	30	33	38	43	41	40	38.9
	Minimum ...	15	8	10	18	31	34	37	34	29	31	26	21	20	13	14	24	28	28	29	29	30	12	13	30	35	17	18	16	28	35	34	24.1
Union .....1½ mi. SE	Maximum...	30	39	46	48	44	40	41	44	46	30	29	28	28	38	44	41	44	39	36	58	49	36	35	40	38	31	31	32	38	38	38	38.7
	Minimum ...	16	12	16	31	35	31	36	28	26	27	25	20	17	14	25	25	21	16	18	23	23	5	22	25	23	3	17	21	26	31	24	22.0
West Plains	Maximum...	39	37	44	45	42	39	43	52	40	35	28	34	32	42	55	42	57	36	45	65	39	37	43	37	39	30	33	29	32	38	40	40.3
	Minimum ...	14	11	16	32	34	37	32	27	27	24	22	15	12	11	20	20	18	18	19	23	12	9	17	30	22	16	25	26	27	30	27	21.7
Cairo, Ill.	Maximum...	36	35	44	48	50	44	44	46	40	45	31	30	33	34	50	40	51	34	38	59	41	34	36	41	43	30	34	31	35	41	38	39.7
	Minimum ...	22	20	23	36	39	39	38	32	31	30	27	22	22	17	29	31	29	28	27	32	18	13	24	32	27	18	29	27	29	32	33	27.6

/ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. [a], [b], [c], etc., number of days missing, for example, [b] indicates two days missing. Italics data interpolated. § Partly interpolated.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

19 MISSOURI SECTION

H. F. WAHLGREN
ST. LOUIS, MO.

VOL. XLVIII ANNUAL SUMMARY 1944 No. 13

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

GENERAL SUMMARY

The year 1944 averaged slightly warmer and drier than normal. However, it was the second consecutive year in which very disastrous flood conditions occurred in the major streams of the State.

January, February, and May averaged considerably warmer than normal, while June, October, and November were somewhat warmer than normal for those months. December was unusually cold, while March, April, July, August, and September all had deficient monthly temperature averages. The extremes of temperature for the year were not unusual, ranging from 107° in June and August, to 21° below zero in February. Cool, wet weather during March and April delayed plowing and planting, and this work was four to six weeks behind the average at the close of April. The summer, with the exception of June, was relatively cool and pleasant, with no prolonged periods of extreme heat. The month of October was especially pleasant and an ideal type of Indian Summer weather prevailed over the entire State, after the first week.

Precipitation averaged only slightly below normal this year, for the State as a whole, but over the Southeastern Division the yearly deficiency amounted to 7.47 inches. Both the Northern and Southwestern Divisions, however, had annual averages of 3.38 inches and 0.43 inch, respectively, more than normal. April was the wettest month, with an average of 6.68 inches, while February, March, August, and December each had monthly averages in excess of normal; the average for each of the remaining months of the year was deficient. The rainfall during August, over the Northern and Southwestern Divisions, was especially timely and beneficial, and most vegetation and crops in those areas were revived and made excellent growth and development, while over much of the Southeastern Division droughty conditions prevailed, being especially severe, locally, in Oregon County. The year's precipitation was quite irregularly distributed, ranging from 60.00 inches at Amity, De Kalb County, to 26.13 inches at Tecumseh, Ozark County.

Snowfall was less than normal, for the State as a whole, but was rather heavy in February and December.

Serious floods, closely approximating or slightly exceeding the unusually high stages of 1943, occurred in April, in most rivers of the State, except in the southern third. The highest stage since 1844, and the highest for any April, occurred in the Mississippi River at St. Louis. Less serious to minor overflows occurred in one, or more, of the larger streams of the State in each of the other months during the year, except January and February.

There were forty-two damaging windstorms in 1944; one each in February and November, six in April, five in June, seventeen in July, and twelve in August. Three small local tornadoes were reported; two in April and one in October. There were also twenty-two hailstorms with more or less damage, seventeen occurring in April, four in July, and one in August. For details of damage, dates and places of occurrence of these storms and detailed summary of weather and crop conditions, month-by-month, see the monthly issues of Climatological Data.

(Continued on page 86)

CONDENSED STATE SUMMARY FOR 1944

Month	Temperature				Precipitation				
	Mean	Departure from Normal	Maximum	Minimum	Mean	Departure from Normal	Greatest	Least	No. Days with .01 or more
January	35.7	+ 4.9	77	− 6	0.63	−1.70	1.82	*0.04*	4
February	37.9	+ 4.7	82	−21	3.10	+1.03	8.59	0.75	9
March	41.4	− 2.4	83	6	3.78	+0.61	8.28	1.83	12
April	52.2	− 3.1	89	16	6.68	+2.70	12.77	1.08	13
May	68.4	+ 3.8	99	27	4.41	−0.31	13.05	1.56	12
June	76.1	+ 2.7	107	39	2.55	−2.13	9.10	0.14	7
July	77.6	− 0.5	105	50	2.62	−0.95	6.75	0.72	7
August	75.9	− 0.7	107	41	6.09	+2.24	14.56	1.23	10
September	69.1	− 0.2	100	36	2.82	−1.16	6.03	0.64	6
October	59.6	+ 1.9	92	25	1.68	−1.28	5.94	0.02	4
November	47.0	+ 2.6	88	1	2.34	−0.33	5.60	0.85	9
December	29.1	− 5.1	70	−14	2.26	+0.07	6.28	0.91	8
Year	55.9	+ 0.8	107	−21	38.99	−1.22	14.56	0.02	101

Italics data interpolated.

COMPARATIVE ANNUAL DATA FOR MISSOURI

Year	Temperature			Precipitation					Number of days			
	Average for State	Highest	Lowest	Average for State	Average Northern Division	Average Southwestern Division	Average Southeastern Division	Snowfall, Average for State	Precip. .01 in. or more	Clear	Partly cloudy	Cloudy
1888	52.9	111	−32	40.40	39.67	41.36	40.17	....	81	....	....	....
1889	54.3	107	− 9	38.19	36.97	40.35	37.26	....	85	....	....	....
1890	54.7	110	−19	39.51	31.07	42.08	45.39	....	82	....	....	....
1891	53.9	104	−13	37.18	37.28	37.71	36.54	....	93	....	....	....
1892	52.8	102	−31	44.77	41.62	47.88	44.80	....	92	141	95	130
1893	52.7	107	−20	39.17	35.42	38.99	43.10	....	77	155	117	93
1894	55.1	111	−35	34.61	26.97	38.27	38.58	15.4	73	170	120	75
1895	52.9	106	−26	40.03	36.74	43.42	39.92	23.7	85	161	108	96
1896	55.5	108	−10	40.37	39.65	39.79	41.68	12.6	86	154	111	101
1897	55.0	108	−16	40.56	35.18	37.46	49.03	19.5	86	167	104	94
1898	54.4	104	−20	51.26	51.87	54.12	56.80	18.6	102	162	102	101
1899	54.0	108	−32	37.93	36.34	36.81	40.64	28.8	82	166	110	89
1900	55.6	105	−16	39.00	35.73	39.57	41.70	18.5	90	171	106	88
1901	55.5	116	−29	25.86	23.36	26.56	27.66	19.2	72	190	98	77
1902	54.1	103	−17	45.01	42.71	48.98	43.83	16.7	103	159	103	103
1903	53.6	102	−25	40.63	38.78	42.79	40.31	16.5	96	170	96	99
1904	53.2	100	−23	42.06	41.59	42.43	42.16	18.8	89	180	99	87
1905	53.6	103	−40	47.00	39.82	51.84	49.35	22.3	97	174	91	100
1906	55.0	101	−13	35.43	30.26	38.78	49.25	28.2	98	165	89	111
1907	55.4	109	−15	40.91	37.01	41.92	43.81	12.8	95	173	82	110
1908	56.8	102	−10	43.81	37.66	47.24	46.54	9.7	91	181	92	90
1909	55.8	110	−20	45.27	44.94	42.95	47.32	18.3	92	173	90	102
1910	54.6	109	−24	37.81	31.96	37.99	43.48	17.2	82	183	81	101
1911	56.7	113	−19	37.43	38.04	37.92	36.33	15.2	88	166	86	113
1912	53.5	105	−36	38.99	32.53	38.82	45.62	39.6	81	192	80	94
1913	56.5	110	−12	38.20	33.14	35.96	45.50	26.0	87	174	80	111
1914	56.1	109	−18	34.68	32.21	36.13	35.41	26.4	81	171	86	108
1915	55.0	102	−24	49.84	48.57	51.74	49.22	25.3	98	160	86	119
1916	55.3	109	−29	40.62	38.58	41.08	42.19	18.2	87	191	77	98
1917	52.6	107	−23	32.21	28.70	31.92	36.01	13.9	80	186	83	96
1918	55.4	111	−25	37.69	32.60	37.19	43.29	27.2	84	185	80	100
1919	55.3	106	−23	40.27	36.73	40.46	43.62	10.2	86	181	81	103
1920	54.3	105	−10	37.56	33.62	38.66	40.40	15.4	89	171	82	113
1921	58.2	109	− 8	44.70	39.16	46.40	48.54	11.1	92	173	93	99
1922	56.8	108	− 6	39.68	37.50	41.64	39.90	8.2	85	192	80	93
1923	55.3	108	−11	42.18	33.43	42.47	50.64	8.6	98	165	88	112
1924	53.0	106	−28	40.03	35.28	44.39	40.41	28.3	92	173	91	102
1925	55.6	110	−15	39.15	38.83	36.81	41.82	16.4	84	171	94	100
1926	54.5	108	−20	42.92	42.35	43.85	42.57	23.2	95	160	86	119
1927	55.6	102	−24	55.53	42.03	59.85	64.70	13.4	101	163	91	111
1928	55.2	102	−18	45.88	41.22	46.01	50.40	6.8	90	174	94	98
1929	53.5	105	−23	46.72	44.13	45.56	50.48	22.3	102	155	93	117
1930	55.9	114	−31	31.38	26.71	34.90	32.53	17.6	75	194	84	87
1931	58.0	110	− 5	40.31	41.10	38.85	40.97	14.2	93	175	82	108
1932	55.6	109	−21	38.24	35.88	36.74	42.09	16.0	85	178	93	95
1933	57.3	108	−22	37.62	29.65	37.05	46.16	8.0	86	175	95	95
1934	57.4	117	−26	35.08	30.66	31.92	39.66	23.0	82	187	89	89
1935	55.0	110	−12	48.04	42.33	49.12	52.66	5.0	106	144	89	132
1936	56.3	118	−25	29.42	26.48	30.03	31.73	15.8	73	195	86	84
1937	54.5	105	−15	37.30	29.85	36.16	45.89	15.3	93	160	96	109
1938	58.4	110	− 9	41.00	36.86	42.36	43.83	10.0	92	182	90	93
1939	57.4	108	− 9	38.25	36.16	35.92	42.66	23.3	93	181	96	88
1940	54.0	111	−28	32.42	28.22	34.22	34.84	25.1	94	159	94	113
1941	57.2	110	0	42.15	41.10	48.07	37.31	14.0	102	151	101	113
1942	55.5	106	−24	46.08	42.48	47.87	47.89	18.9	105	154	97	114
1943	55.1	110	−23	37.89	35.73	42.10	35.87	16.1	89	170	103	92
1944	55.9	107	−21	38.99	39.95	41.59	35.44	16.8	101	150	105	111
....	....	....	....	.....	.....	.....	.....	....	....	....	....	....
Period	55.1	118	−40	40.21	36.57	41.16	42.91	17.9	89	171	93	101

NAT. HIST.

Climatological Data for Year 1944

Stations	Counties	Elevation, feet	Temperature (Degrees Fahrenheit)						Precipitation (inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy	
Northern Division																				
Albany	Gentry	930	4	53.5	95	June 25†	−19	Feb. 12	16	45.86§	7.91	April	0.93	Jan.	26.8§	120	170	95	77	s.
Bethany	Harrison	916	50	52.1§	96	Aug. 10	−17	Feb. 12	52	41.29§	9.48	Aug.	0.80	Jan.	22.3§	§82	§143[b]	§113[b]	§108[b]	se.
Brookfield	Linn	767	3	54.5§	101	June 25	..	.....	3	43.44§	7.30	April	*0.31*	Jan.	24.0§	§87	§186	§55	§125	s.
Brunswick	Chariton	652	64	54.0	98	June 25†	−10	Feb. 13	66	40.35	6.58	Aug.	0.26	Jan.	29.0	108	180	43	143	nw.
Canton, Lock & Dam 20	Lewis	488	7	52.9	98	June 27†	−12	Feb. 12	15	35.31	7.79	April	0.27	Jan.	23.5	110	135	102	129	nw.
Chillicothe	Livingston	779	36	52.6	97	Aug. 10	−14	Feb. 12	39	36.86§	7.56	Aug.	0.52	Jan.	26.5§	85	§234	§31	§101	ne.
Clifton Hill	Randolph	731	46	54.6§	99	Aug. 10	−12	Feb. 12	36	36.51§	7.40	April	0.27	Jan.	27.7§	108	§138	§110	§118	nw.
Columbia	Boone	740	55	55.4	100	June 28	− 5	Feb. 12	55	42.58	9.53	April	0.62	Jan.	20.7	113	112	123	131	s
Conception	Nodaway	1,108	56	52.7	99	Aug. 11	−19	Feb. 12	61	41.26	8.62	Aug.	0.79	Jan.	14.0	104	108	144	114	nw.
Edgerton	Platte	856	25	....	97	Aug. 10	−12	Feb. 12	42	.....	11.47	Aug.	0.88	Jan.	....	..	..	..	..	.....
Elsberry	Lincoln	449	14	55.4	100	June 23†	− 6	Feb. 12†	14	28.55	7.83	April	0.52	Jan.	16.0§	73	124	185	57	s.
Fayette	Howard	760	65	54.6	98	June 28	− 8	Feb. 12	62	40.26	9.41	April	0.51	Jan.	16.5	111	177	68	121	se.
Fulton	Callaway	818	57	54.5	99	June 26†	− 7	Feb. 12	53	42.38	6.64	Aug.	0.60	Jan.	22.4	115	221	59	86	w.
Grant City	Worth	1,134	41	51.9	96	June 25	−21	Feb. 12	53	43.01§	8.14	Aug.	0.75	Feb.	27.2	102	107	124	135	sw.
Hannibal	Marion	759	53	52.6	100	Aug. 10	−12	Feb. 12	61	38.50	8.00	April	0.62	Jan.	31.6	115	121	139	106	s.
Kansas City Airport	Jackson	741	56	55.8	101	Aug. 3	− 5	Feb. 12	56	49.64	10.57	April	0.68	Jan.	17.8	106	108	113	145	ne.
Kansas City University	Jackson	908	7	56.6	100	Aug. 3†	− 6	Feb. 12	7	47.74§	9.61	April	0.79	Jan.	17.5§	106	§157	§94	§115	s.
Kidder	Caldwell	1,020	53	52.8	94	June 25	−17	Feb. 12	57	41.39	8.52	Aug.	0.63	Jan.	20.2§	103	166	66	134	sw.
Kirksville	Adair	969	56	53.6	100	Aug. 10	−14	Feb. 12	63	37.74	7.19	April	0.40	Jan.	33.8	122	135	80	151	sw.
Lawson	Ray	1,070	7	53.8	95	June 25†	−16	Feb. 12	7	57.23	10.95	May	0.80	Jan.	29.8	117	139	118	109	ne.
Louisiana	Pike	469	51	52.8	100	Aug. 10	−14	Dec. 26	64	29.79§	6.73	April	0.65	June	15.9§	80	53	237	76	sw.
Macon	Macon	875	46	52.5	98	July 10†	−14	Feb. 12	52	41.56	7.44	April	0.11	Jan.	24.0§	105	103	103	160	se.
Maryville	Nodaway	1,169	55	50.6	97	Aug. 10	−20	Feb. 12	51	47.41	9.88	Aug.	0.52	Jan.	22.9	111	139	63	164	nw.
Memphis	Scotland	787	6	51.2	99	Aug. 15	−13	Feb. 12†	15	34.49§	6.55	April	0.23	Jan.	25.2	93	149	79	138	sw.
Mexico	Audrain	800	56	54.2	105	June 26†	−12	Feb. 13	67	54.08	11.66	April	1.10	Jan.	31.5§	134	150[b]	109[b]	105[b]	sw.
Moberly	Randolph	860	8	53.8§	97	June 26†	−10	Feb. 12	8	37.76§	8.01	April	*0.34*	Jan.	22.8§	§97	§149[a]	§87[a]	§129[a]	nw.
New Florence 1 mi. SE.	Montgomery	885	2	53.7	98	Aug. 15	− 7	Feb. 12	3	30.73	6.54	April	0.30	Jan.	17.5	97	93[a]	118[a]	154[a]	nw.
Oregon	Holt	1,048	89	53.7	101	Aug. 10	−15	Feb. 12	89	45.67	8.98	Aug.	0.80	Jan.	27.0	106	167	109	90	sw.
St. Charles	St. Charles	520	57	55.9§	101	June 28	− 2	Feb. 12†	67	36.04§	8.83	April	0.19	Jan.	15.9§	89	158[a]	123[a]	74[a]	nw.
St. Joseph	Buchanan	957	35	54.1	98	Aug. 10	−10	Feb. 12	73	48.94	11.54	Aug.	0.85	Sept.	27.6	121	173	88	105	s.
Saverton	Ralls	472	7	53.8	98	Aug. 10	−10	Feb. 12	7	41.95	9.76	April	0.59	Jan.	27.5§	127	211	68	87	nw.
Shelbina	Shelby	779	4	53.7	99	July 10	−14	Feb. 12	22	40.01§	9.21	April	0.32	Jan.	22.5§	99	191	63	112	uw.
Steffenville	Lewis	650	47	53.5	101	July 10	−15	Feb. 12	52	37.19	8.18	April	0.31	Jan.	24.5	113	155	95	116	s.
Tarkio	Atchison	916	42	....	101	Aug. 10	..	.....	51	36.39	7.13	May	0.50	Feb.	....	108	..	..	..	.....
Trenton	Grundy	822	49	53.8	96	June 25	−14	Feb. 12	50	41.75	8.56	Aug.	0.77	Jan.	26.9§	111	141	128	97	s.
Unionville	Putnam	1,062	52	51.2	102	Aug. 10	−16	Feb. 12	52	39.14	5.95	April	0.91	Jan.	25.0§	96	141	150	75	sw.
Warrenton	Warren	816	63	55.6	102	Aug. 10†	− 6	Feb. 12	55	33.20§	6.77	April	0.25	Jan.	20.9§	94	161[j]	106[j]	89[j]	se.
Keokuk, Iowa	Lee, Iowa	574	73	53.4	99	Aug. 10	−11	Feb. 12	73	36.33	6.14	April	0.42	Jan.	18.5	123	110	124	132	sw.
Division means	**and extremes**	.....	..	**53.6**	**105**	**June 26†**	**−21**	**Feb. 12**	..	**39.95**	**14.56**	**Aug.**	**0.11**	**Jan.**	**23.6**	**105**	**145**	**107**	**114**	**nw.**
Southwestern Division																				
Anderson....1½ mi. SW	McDonald	1,000	41	56.2	99	July 16†	− 6	Jan. 9	46	46.20	6.85	May	1.02	Jan.	28.7§	80	211[c]	54[c]	98[c]	.....
Appleton City	St. Clair	813	50	56.5	102	Aug. 4	− 1	Feb. 12	53	40.40§	7.81	Aug.	0.39	Jan.	14.0	94	163	72	131	sw.
Bolivar	Polk	1,071	42	57.3	100	July 9	− 1	Feb. 12	50	34.31	11.66	Aug.	0.63	Jan.	14.2	110	162	105	99	sw.
Boonville	Cooper	650	7	53.0	99	June 28	− 7	Feb. 12†	68	40.68	9.40	April	0.46	Jan.	17.0§	104	142	89	135	se.
Carthage	Jasper	962	11	58.5	100	Aug. 12	5	Jan. 9	21	46.54	9.10	June	0.45	Jan.	12.5§	97	112	190	64	s.
Clinton	Henry	786	52	56.0	102	Aug. 3	− 2	Feb. 12	58	42.19	8.72	April	0.56	Jan.	14.3	110	143	129	94	n.
Eldon	Miller	934	50	54.7	99	July 8	− 2	Feb. 12	46	40.80§	8.29	Aug.	0.44	Jan.	18.0§	107	148[m]	112[m]	93[n]	n.
Fort Leonard Wood	Pulaski	1,107	3	55.7	98	June 23	− 1	Feb. 12	3	33 74§	9.29	Aug.	0.44	June	15.8§	64	162[b]	138[b]	64[b]	s.
Harrisonville	Cass	904	67	54.3	100	Aug. 3	− 6	Feb. 12†	70	44.23	9.13	April	0.43	Jan.	18.0§	105	100	76	190	e.
Jefferson City	Cole	557	55	55.1	100	July 24	− 3	Feb. 12†	63	39.67	7.08	April	0.24	Jan.	18.7§	99	148	82	136	se.
Joplin	Jasper	1,008	23	59.5	98	Aug. 1†	6	Feb. 12	40	44.84	7.51	June	0.97	Jan.	....	96	202	45	119	s.
Lakeside	Miller	595	14	55.3	99	June 26†	0	Feb. 12†	14	41.56	14.15	Aug.	0.44	Jan.	21.3§	109	144	114	108	sw.
Lamar	Barton	980	57	55.7	96	Aug 3†	2	Feb. 12†	64	47.80	10.56	Aug.	0.74	Jan.	11.5§	86	210	61	95	sw.
Lebanon	Laclede	1,265	57	55.8	98	June 26†	− 1	Feb. 12	58	38.67§	10.35	Aug.	0.80	Jan.	18.0§	106	114	125	127	sw.
Lexington	Lafayette	688	60	55.1	98	Aug. 3†	− 9	Feb. 12	61	53.65§	10.91	Aug.	0.44	Jan.	25.7§	110	169	126	71	nw.
Lockwood	Dade	1,078	39	58.5	101	Aug. 12	3	Feb 12	49	39.52	8.18	Aug.	0.76	Jan.	14.5	94	177	126	63	sw.
Marshall	Saline	779	58	56.4	97	June 26	− 8	Feb. 12	55	44.94§	9.29	Aug.	0.30	Jan.	21.1§	78	121[v]	135[v]	88[v]	sw.
Mountain Grove	Wright	1,463	44	56.8	101	July 16	1	Feb. 12	48	34.22	8.24	Aug.	0.66	Jan.	12.1§	114	115	187	64	nw.
Mount Vernon	Lawrence	1,174	33	57.0§	100	July 16	2	Jan. 9	45	41.74	6.45	Aug.	1.31	Jan.	*17.5*	100	179[d]	78[d]	105[d]	se.
Neosho	Newton	1,011	58	59.0	98	July 16	− 4	Jan. 9	62	46.46	7.86	June	0.71	Jan.	11.5	101	110	163	93	sw.
Nevada	Vernon	862	52	58.2	102	Aug. 3†	1	Feb. 12	53	49.22	13.22	Aug.	0.63	Jan.	10.5§	98	181	76	109	sw.
Ozark Beach	Taney	700	5	57.9	102	July 16	− 2	Jan. 9†	20	35.41	5.95	Aug.	0.85	July	10.0	100	§63	§157	§146	se.
Sedalia	Pettis	910	32	56.3	99	June 28†	− 6	Feb. 12	34	48.01§	12.77	April	0.39§	Jan.	23.5§	95	179	81	106	sw.
Seligman	Barry	1,542	41	57.8	92	July 10†	..	.....	42	50.93	7.93	June	1.67	Dec.	19.0§	92	171	109	64	s.
Seymour.....3½mi. NE	Webster	1,642	39	55.7	97	July 16	− 4	Jan. 9	39	33.36	5.16	Aug.	1.06	Dec.	11.9	92	181	66	119	s.
Springfield....½ mile E	Greene	1,301	57	55.6	96	July 16	1	Feb 12	57	37.17	6.65	Aug.	0.91	Dec.	25.4	123	105	106	155	s.
Sweet Springs	Saline	700	4	54.7	98	July 24	− 1	Dec. 14	21	44.04§	10.52	Aug.	0.44	Jan.	24.1§	120	155[a]	129[a]	81[a]	s.
Warrensburg	Johnson	878	58	56.5	98	Aug. 4	− 4	Feb. 12	65	49.81	9.85	April	0.25	Jan.	14.9§	89	182	81	97	se.
Warsaw	Benton	687	44	57.6	100	July 8	− 1	Jan. 9†	50	45.47§	8.80	April	0.70	Jan.	17.0§	97	175	100	91	nw.
Wasola	Ozark	1,294	4	57.1	98	July 15†	3	Feb. 12	4	41.56	6.04	Aug.	1.33	Jan.	10.0§	92	161	126	79	s.
Division means	**and extremes**	.....	..	**56.4**	**102**	**July 16†**	**− 9**	**Feb. 12**	..	**41.59**	**14.15**	**Aug.**	**0.17**	**Oct.**	**16.4**	**99**	**153**	**110**	**103**	**sw.**
Southeastern Division																				
Advance.....¼ mile W	Stoddard	354	8	57.1	103	July 11	− 1	Jan. 9	8	40.52	8.03	April	0.39	Oct.	7.4	108	92	98	176	s.
Arcadia	Iron	926	64	56.0	101	June 28†	− 1	Feb. 12	67	29.45§	4.23	April	0.50	Oct.	11.3	76	189	43	134	e.
Birch Tree....½ mile E	Shannon	1,000	50	56.6	100	July 9†	− 5	Jan. 9	51	40.13	9.26	May	0.89	Oct.	9.8§	98	179[r]	99[r]	70[r]	sw.
Black.....9 miles NW	Iron	1,000	52	55.0	100	June 26†	− 2	Jan. 9	52	33.54	4.81	May	0.70	June	11.0§	99	154	150	82	sw.
Campbell	Dunklin	314	19	60.4	101	July 9	10	Feb. 12†	19	45.01§	10.03	April	0.85	Jan.	10.6	97	162[n]	121[n]	69[n]	s.
Caruthersville	Pemiscot	265	49	59.3	99	July 11	13	Feb. 12†	53	44.78	7.22	Feb.	1.27	Aug.	4.8	98	188	52	126	n.
Crystal City	Jefferson	420	10	57.7	102	June 28	1	Feb. 12	11	37.08	7.27	April	0.25	Jan.	16.7§	89	173	73	120	sw.
Doniphan	Ripley	344	41	59.4	102	June 28†	− 2	Jan. 9	41	38.52	8.78	April	0.83	Jan.	9.0	95	249	46	71	ne.
Farmington	St. Francois	895	34	56.8	101	Aug. 11	− 2	Feb. 12	48	28.54	5.32	April	0.40	Oct.	12.1	96	114	91	161	s.
Greenville	Wayne	460	36	58.0	103	June 28†	− 1	Jan. 9	38	33.83	4.84	April	0.65	Oct.	6.9§	95	167	93	97	se.
Jackson	Cape Girardeau	428	54	58.7	101	Aug. 9†	3	Feb. 12	55	35.24	8.27	April	0.42	Oct.	6.7§	98	126	62	178	n.
Koshkonong	Oregon	958	44	58.9	101	July 9†	6	Feb. 12	45	41.54	5.97	April	1.33	Jan.	10.0	91	183	91	80	s.
Licking .....4 miles N	Texas	1,170	8	56.5	99	June 20†	0	Feb. 12†	8	28.55§	6.69	May	*0.04*	Jan.	10.2§	62	198	76	92	s.
Malden....4 miles NNW	Dunklin	292	2	60.0	104	July 9	10	Jan. 9†	2	39.17	9.07	April	0.80	Oct.	6.6	108	165	83	178	s.
Marble Hill	Bollinger	532	50	57.2	101	Aug. 9	0	Jan. 16†	52	36.42	7.33	April	0.47	Oct.	6.0	87	188	100	78	n.
Poplar Bluff	Butler	339	40	59.5	107	June 17†	7	Jan. 9†	41	40.46	10.90	April	0.65	Jan.	10.0§	83	223	86	57	s.
Rolla	Phelps	1,202	45	56.2	99	June 26†	− 2	Feb. 12	61	37.31	6.19	Aug.	0.59	June	18.1	85	79	211	76	sw.
St. Louis:																				
City Office	.....	465	108	57.2	99	June 17	0	Feb. 12	108	33.51§	8.82	April	0.30	Jan.	17.0	97	120	125	121	s.
St. Louis Airport	St. Louis	556	8	56.1	101	June 28†	− 2	Feb. 12	14	34.90	9.54	April	0.20	Jan.	14.9	96	71	166	129	nw.
St. Louis University	St. Louis City	578	33	57.0	98	June 17†	− 1	Feb. 12	33	35.88	11.13	April	0.19	Jan.	18.1	104	173	78	115	se.
Washington Univ.	St. Louis	536	7	56.6	100	June 28†	− 1	Feb. 12	7	37.31§	11.28	April	0.16§	Jan.	....	89	..	..	..	.....

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Climatological Data for Year 1944 Continued from preceding page

Stations	Counties	Elevation, feet	Temperature (Degrees, Fahrenheit)						Precipitation (Inches)							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total	Greatest monthly	Month	Least monthly	Month	Total snowfall	With prec. .01 inch or more	Clear	Partly cloudy	Cloudy	
Southeastern Division—	*Concluded*																			
Salem	Dent	1,206	41	56.2	101	June 26	0	Feb. 12	44	34.01	8.18	May	0.51	Jan.	10.5	84	181	99	86	S.
Sikeston	Scott	318	38	58.7	103	July 10	6	Jan. 9	48	42.25	9.16	April	0.15	Oct.	8.5	107	147	112	107	SW.
Union 1½ mi. SE	Franklin	520	7	57.5§	107	Aug. 15	− 1	Feb. 12	28	37.03§	8.75	May	0.29	Jan.	15.9§	80	173	93	100	S.
Vichy 2 miles NW	Maries	1,125	9	55.9	101	June 28	− 2	Feb. 12	9	31.88	6.69	May	0.39	June	12.3	91	108	125	133	W.
Wappapello Dam	Butler	475	6	58.2	102	July 15†	6	Feb. 12	6	37.70	10.09	April	0.38	Oct.	9.2	102	128	142	96	SW.
Weingarten	St. Genevieve	833	3	57.4	101	Aug. 11	− 1	Feb. 12	4	35.87§	5.40	April	0.35	Oct.	7.0§	68	165	113	88	S.
West Plains	Howell	1,005	8	56.4	101	July 10	− 3	Jan. 9	8	36.13	6.10	April	1.15	Jan.	10.0	105	114[b]	126[b]	124[b]	S.
Willow Sprgs. 500 ft. E	Howell	1,238	4	55.1	99	July 26	− 1	Jan. 9	39	35.20	6.01	Aug.	0.72	Jan.	10.0§	87	164	103	99	S.
Cairo, Ill.	Alexander, Ill.	314	73	59.8	100	June 22	8	Feb. 12	74	38.31	6.50	April	0.63	Oct.	8.4	108	104	101	161	SW.
Division means and extremes		.....	..	57.6	107	June 17†	− 5	Jan. 9	..	35.44	13.05	May	0.02	Oct.	10.6	93	153	103	110	S.
State means and extremes		.....	..	55.9	107	June 17†	−21	Feb. 12	..	38.99	14.56	Aug.	0.02	Oct.	16.8	101	150	105	111	S.

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated. [a], [b], [c], indicate the number of days missing from records, a, 1; b, 2; c, 3; etc. † Also on other dates. *Italics* data interpolated. § Partly interpolated.

Monthly and Annual Evaporation (Inches) and Wind Movement (Miles) for the Year 1944
(See temperature and precipitation data in Climatological Tables)

Stations	Data	January	February	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Annual
Columbia (Univesity of Mo.)	Evaporation	.....	.....	.....	.....	.....	8.199	9.866	6.742	5.304	4.017	.....	.....	.....
	Wind movement	.....	.....	.....	.....	.....	3,108	2,266	2,234	2,271	1,944	3,085	1,917	.....
St. Louis (Washington Univ.)	Evaporation	.....	.....	2.225	3.604	4.812	7.238	7.500	5.700	3.883	2.682	1.806	.....	.....
	Wind movement	1,185	1,521	1,949	1,838	827	813	720	751	574	707	1,409	1,426	13,720

Monthly and Annual Precipitation for the Year 1944, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northern Division																										
Albany	0.93	+0.10	1.90	+0.28	3.78	+2.09	7.91	+5.12	6.65	+3.97	5.27	+0.03	1.81	−2.82	7.50	+3.90	1.34	−4.21	2.09	−0.70	§2.53	+0.81	4.15	+3.28	§45.86	+11.86
Amity	0.88	−0.67	1.65	+0.13	4.67	+2.40	9.51	+5.41	7.04	+1.79	7.94	+0.94	3.11	+0.48	14.56	+10.36	0.88	−1.86	1.61	−0.52	3.89	+1.21	4.26	+2.22	60.00	+21.89
Auxvasse	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.99	.....	1.80	.....	6.67	.....	4.13	.....	1.54	.....	1.75	.....	1.70	.....	.....	.....
Bethany	0.80	−0.39	1.62	+0.20	3.79	+1.56	6.44	+3.15	4.17	0.00	5.29	+0.23	1.36	−2.80	9.48	+5.66	1.18	−3.38	1.80	−1.12	2.43	+0.39	*2.93*	+1.78	§41.29	+5.28
Bowling Green	0.36	−1.54	1.57	+0.13	3.44	+1.30	6.76	+4.22	2.34	−1.50	1.62	−1.62	2.31	−0.47	6.94	+3.13	3.32	+0.61	2.50	+0.25	2.71	−0.13	1.61	−0.44	35.48	+3.94
Brookfield	*0.81*	.....	*1.74*	.....	4.19	.....	7.30	.....	5.43	.....	3.33	.....	3.10	.....	6.27	.....	2.96	.....	1.56	.....	5.02	.....	2.23	.....	§43.44	.....
Browning 3 mi. NE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.50	.....	2.03	.....	1.55	.....	4.93	.....	2.42	.....	.....	.....
Brunswick	0.26	−1.33	2.23	+0.42	5.59	+2.89	6.16	+2.33	4.13	−0.48	2.10	−3.01	2.28	−1.83	6.58	+2.64	4.50	−0.31	1.66	−1.34	2.95	+0.76	1.91	+0.24	40.35	+0.98
Canton, Lock and Dam 20	0.27	−1.67	1.78	+0.52	4.92	+2.58	7.79	+5.03	2.53	−2.79	1.68	−3.10	1.21	−1.12	5.69	+2.53	4.20	+0.46	1.00	−1.26	3.05	+0.34	1.19	−0.44	35.31	+1.08
Centralia	0.53	.....	1.66	.....	3.42	.....	7.50	.....	3.55	.....	1.23	.....	2.16	.....	6.27	.....	3.72	.....	1.38	.....	1.58	.....	1.56	.....	34.56	.....
Chillicothe (A)	0.52	−0.96	1.63	+0.18	3.18	+0.70	6.93	+3.71	3.74	−0.35	2.94	−1.79	2.68	−0.74	7.56	+3.60	1.28	−3.50	1.11	−2.03	2.71	+0.59	§2.58	+1.16	§36.86	+0.57
Chillicothe (B)	0.45	.....	1.32	.....	3.42	.....	7.88	.....	2.57	.....	3.50	.....	2.61	.....	8.33	.....	1.30	.....	0.74	.....	3.37	.....	2.59	.....	38.08	.....
Clifton Hill	0.27	−1.45	1.67	−0.07	4.44	+1.70	7.40	+4.04	3.88	−0.52	0.73	−3.66	1.97	−1.39	6.13	+2.33	4.06	−0.48	0.79	−1.73	§3.38	+1.40	§1.79	+0.07	§36.51	+0.24
Columbia	0.62	−1.30	2.78	+0.69	3.81	+0.87	9.53	+5.76	4.02	−0.44	0.83	−3.93	2.38	−1.11	8.39	+4.79	5.67	+1.32	1.14	−1.47	1.83	−0.37	1.58	−0.28	42.58	+4.53
Columbia 9 mi WNW	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.83	.....	2.03	.....	5.14	.....	4.01	.....	1.16	.....	1.50	.....	1.45	.....	.....	.....
Conception	0.79	0.00	0.90	−0.25	3.42	+1.77	7.69	+4.96	5.80	+1.74	3.44	−1.51	1.54	−3.13	8.62	+4.98	1.42	−3.22	2.29	−0.59	2.11	+0.37	3.24	+2.36	41.26	+7.48
Edgerton	0.88	+0.03	1.53	+0.19	3.98	+1.72	6.08	+3.00	4.09	−0.11	2.91	−1.96	3.22	−0.28	11.47	+7.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ediua	0.23	−1.43	1.49	+0.36	4.33	+2.34	6.95	+3.82	5.34	+1.49	1.28	−4.16	2.54	+0.07	6.07	+1.97	2.26	−2.36	1.50	−0.76	3.49	+0.42	1.30	−0.04	36.78	+1.72
Elsberry	0.52	−1.65	1.64	−0.02	3.06	+0.30	7.83	+4.78	2.50	−0.82	1.12	−2.32	2.09	+0.10	3.17	−0.09	3.00	0.00	1.59	−0.92	0.99	−1.83	1.04	−1.17	28.55	−3.64
Elsberry S. C. S.	0.36	.....	1.87	.....	3.20	.....	6.39	.....	2.64	.....	0.84	.....	2.08	.....	3.59	.....	3.09	.....	1.80	.....	1.04	.....	1.34	.....	28.24	.....
Farber 1 mile N	0.42	−1.44	1.62	+0.25	§3.81	+1.40	6.84	+4.25	5.19	+1.07	*1.62*	−2.21	*2.81*	−0.12	6.39	+2.09	4.19	+1.73	1.87	−0.20	2.49	−0.53	1.09	−0.91	§38.34	+5.38
Fayette	0.51	−1.28	2.35	+0.65	4.91	+2.09	9.41	+5.86	4.04	−0.28	2.03	−2.54	1.99	−1.26	6.06	+2.50	3.61	−1.35	1.36	−1.53	2.55	+0.45	1.44	−0.22	40.26	+3.09
Fulton	0.60	−1.42	3.59	+1.92	3.09	+0.13	6.50	+2.49	4.14	−0.46	1 58	−2.82	5.20	+1.91	6.64	+2.99	5.07	+0.58	2.20	−1.22	1.63	−0.68	2.14	+0.13	42.38	+3.55
Gallatin	0.68	−0.54	1.01	−0.58	3.31	+0.99	6.15	+2.59	4.10	−0.62	4.03	−1.03	*2.95*	−1.17	9.96	+6.16	1.59	−3.61	0.62	−2.56	3.36	+1.28	2.98	+1.70	§40.74	+2.61
Grant City	0.91	−0.06	0.75	−0.36	3.13	+1.12	6.91	+3.98	6.30	+2.07	3.99	−1.01	1.94	−2.69	8.14	+4.20	2.41	−2.28	2.28	−0.76	3.54	+1.69	§2.68	+1.62	§43.01	+7.52

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Monthly and Annual Precipitation for the Year 1944, with Departures from Normal—Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Hannibal.....(A)..	0.62	−1.10	1.97	+0.07	4.74	+2.14	8.00	+4.81	3.78	−0.57	1.28	−2.62	0.90	−2.19	4.60	+1.26	4.79	+0.82	1.97	−0.42	4.33	+2.27	1.52	−0.02	38.50	+4.45
Hannibal.....(B)..	0.54	.....	2.42	.....	4.74	.....	9.14	.....	4.61	.....	1.26	.....	1.26	.....	4.71	.....	4.14	.....	2.02	.....	4.52	.....	1.48	.....	40.84	.....
Hermann	0.18	−1.75	1.93	+0.28	3.01	+0.18	6.26	+2.23	4.48	+0.31	1.37	−3.00	1.70	−1.64	3.53	−0.14	2.23	−2.15	1.50	−2.13	2.15	−0.32	1.15	−0.66	29.49	−8.79
Kahoka	0.29	−1.59	$1.63	+0.56	2.66	+0.55	*6.50*	*+3.24*	4.27	+0.01	1.43	−3.48	2.24	+0.36	5.36	+2.08	3.45	−1.09	2.00	−0.45	$1.03	−2.32	$1.56	−0.13	$32.42	+2.26
Kansas City Airport.....	0.68	−0.56	1.78	+0.23	5.09	+2.78	10.57	+7.05	4.14	+0.20	3.78	−0.90	3.54	−0.28	7.97	+4.45	4.38	+0.56	1.03	−1.66	2.94	+0.72	3.74	+2.54	49.64	+15.11
Kansas City University .	0.79	.....	2.14	.....	5.08	.....	9.61	.....	$4.08	.....	$3.69	.....	$3.59	.....	6.95	.....	3.06	.....	1.02	.....	3.32	.....	4.41	.....	$47.74	.....
Kidder	0.63	−0.59	0.80	−0.74	3.75	+1.56	5.50	+2.22	4.74	+0.09	3.81	−1.16	4.27	+0.39	8.52	+4.56	1.60	−3.60	1.16	−1.91	3.72	+1.57	2.89	+1.62	41.39	+4.01
King City	1.18	+0.04	1.23	−0.27	4.19	+2.13	8.10	+4.80	4.61	+0.40	5.97	+0.66	2.55	−0.99	9.57	+5.89	0.99	−4.43	1.54	−1.36	2.27	+0.31	4.48	+3.40	46.68	+10.58
Kirksville	0.40	−1.12	1.67	+0.14	4.31	+1.37	7.19	+3.09	5.64	+0.31	1.43	−3.63	1.50	−2.80	5.13	+1.01	2.57	−2.61	1.16	−2.00	4.62	+2.50	2.12	+0.36	37.74	−3.38
Knoxville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.37	.....	10.05	.....	2.55	.....	1.18	.....	4.60	.....	2.71	.....	.....	.....
La Belle	0.23	−1.44	1.68	+0.41	4.92	+2.60	7.95	+5.04	3.14	−1.30	0.69	−4.55	1.97	−0 16	4.48	−0.14	2.82	−1.25	1.75	−0.53	3.25	+0.15	$1.55	+0.01	$34.43	−1.16
Lawson	0.80	.....	1.70	.....	3.68	.....	6.27	.....	10.95	.....	5.74	.....	4.39	.....	12.37	.....	2.98	.....	1.33	.....	3.45	.....	3.57	.....	57.23	.....
Linneus	0.40	−1.57	0.89	−0.28	3.49	+1.55	7.04	+3.94	4.57	+0.47	2.91	−1.81	3.60	+0.74	8.04	+4.08	2.35	−1.38	1.70	−0.95	5.60	+3.03	$2.53	+1.15	$43.12	+8.97
Louisiana .....(A)..	0.85	−1.30	$1.24	−0.84	4.00	+0.53	6.73	+3.01	1.79	−2.91	0.65	−3.58	1.11	−2.49	4.30	−0.24	3.00	−1.43	1.95	−1.33	$2.66	+0.20	1.51	−0.39	$29.79	−10.77
Lousiana .....(B)..	0.29	.....	1.83	.....	4.36	.....	6.73	.....	1.82	.....	0.92	.....	1.42	.....	4.87	.....	2.98	.....	1.95	.....	2.72	.....	1.65	.....	31.54	.....
Lucerne	0.64	−0.38	1.05	−0.15	3.75	+1.70	6.15	+2.59	5.62	+0.89	4.22	−1.42	1.72	−1.34	7.77	+3.33	3.07	−2.59	1.91	−1.62	2.76	+0.48	2.90	+1.29	41.56	+2.78
Macon	0.11	−1.59	1.50	−0.20	5.37	+2.53	7.44	+3.78	5.32	+0.73	1.42	−3.30	1.48	−1.93	6.66	+2.85	4.46	+0.02	2.02	−0.87	4.21	+2.02	1.57	−0.07	41.56	+3.97
Madison	0.57	−1.37	1.80	+0.20	4.45	+2.35	9.10	+6.20	4.10	−0.44	1.69	−3.68	1.71	−1.26	7.66	+4.35	3.54	−0.19	1.69	−1.19	3.77	+0.75	1.50	−0.40	41.58	+5.32
Martinsburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.99	.....	7.59	.....	4.61	.....	1.14	.....	$1.90	.....	1.50	.....	.....	.....
Maryville	0.52	−0.48	0.78	−0.65	3.17	+1.30	5.53	+2.52	9.32	+4.67	4.61	−0.50	2.54	−2.69	9.88	+5.90	1.26	−3.42	3.68	+0.71	3.37	+1.45	2.75	+1.67	47.41	+10.48
Memphis	0.23	−1.30	$1.50	+0.53	4.32	+1.96	6.55	+3.35	5.25	+1.24	1.66	−3.47	2.44	−0 36	4.00	+0.03	2.64	−1.54	1.44	−0.49	$3.07	+0.08	$1.39	+0.11	$34.49	+0.14
Mexico	1.10	−0.93	3.39	+1.54	8.28	+5.37	11.66	+7.91	3.81	−0.79	1.86	−2.88	3.40	+0.19	7.77	+3.92	6.00	+1.03	3.14	+0.07	2.11	−0.12	1.56	−0.35	54.08	+14.96
Milan	0.70	−0.47	1.29	−0.09	3.68	+1.43	9.60	+5.63	2.60	−2.22	3.99	−1.11	1.63	−1.45	7.02	+2.78	2.35	−3.19	1.87	−2.10	3.88	+1.70	2.07	+0.26	40.68	+1.17
Moberly	$0.34	.....	$2.08	.....	2.61	.....	8 01	.....	3.83	.....	2.13	.....	1.90	.....	6.28	.....	3.27	.....	1.56	.....	$4.13	.....	$1.62	.....	$37.76	.....
Monroe City	0.86	−1.05	1.77	+0.36	4.96	+2.07	9.41	+5.74	3.71	−0.69	2.10	−2.98	1.61	−2.05	7.74	+3.42	6.03	+1.21	1.62	−0.98	3.19	+0.87	2.01	+0.08	45.01	+6.00
New Florence..1 mile SE	0.30	.....	1.77	.....	2.64	.....	6.54	.....	3.09	.....	2.09	.....	3.25	.....	3.37	.....	2.48	.....	2.55	.....	1.80	.....	0.94	.....	30.73	.....
Oregon	0.80	−0.13	1.06	−0.31	3.94	+1.98	7.91	+4.62	5.18	+0.65	4.50	−0.87	4.74	+0.56	8.98	+5.18	1.41	−3.69	1.22	−1.53	2.03	+0.05	3.90	+2.86	45.67	+9.37
Palmyra	0.40	−1.60	1.73	−0.01	4.82	+2.14	10.30	+6.57	3.01	−1.30	1.05	−3.70	2.10	−1.15	5.87	+2.03	5.80	+1.03	1.30	−1.06	$3.13	+0.89	$1.48	−0.16	$40.99	+3.68
Paris	0.52	−1.27	1.62	+0.19	5.12	+2.85	10.89	+8.42	3.28	−1.22	0.72	−3.42	1.27	−1.37	6.86	+3.28	5.07	+1.80	2.61	+0.74	4.06	+1.07	1.52	−0.36	43.54	+10.71
Perry	0.33	−1.59	2.16	+0.87	$5.05	+2.87	8.35	+6.04	3.94	−0.28	1.37	−2.39	2.71	+0.19	5.07	+1.26	4.37	+1.40	2.56	+1.72	3.89	+1.22	1.19	−0.52	$40.99	+9.79
Philadelphia	0.45	−1.36	.....	.....	4.37	+2.21	.....	.....	2.03	−2.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.21	+0.42	1.31	−0.28	.....	.....
St. Charles.....(A)..	0.19	−1.96	$2.72	+0.73	2.82	−0.35	8.83	+5.08	4.59	+0.31	1.99	−2.01	4.46	+1.47	3.21	−1.03	3.04	−0.80	1.79	−1.39	1.30	−0.81	$1.10	−0.69	$36.04	−1.45
St. Charles.....(B)..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.13	.....	4.25	.....	3.76	.....	3.13	.....	1.83	.....	1.10	.....	1.45	.....	.....	.....
St. Joseph	0.95	−0.33	1.32	−0.41	3.78	+1.30	10.88	+7.69	4.40	−0.30	4.43	−0.52	2.38	−1.40	11.54	+7.71	0.85	−3.07	1.58	−1.31	2.26	+0.68	4.57	+3.28	48.94	+13.32
Saverton, Lock No. 22...	0.59	.....	2.43	.....	5.05	.....	9.76	.....	4.84	.....	2.30	.....	1.39	.....	3.89	.....	3.00	.....	3.05	.....	4.42	.....	1.32	.....	41.95	.....
Shelbina	0.32	−1.21	1.64	−0.20	$5.14	+2.35	9.21	+5.46	3.87	−0.45	1.89	−2.59	1.14	−2.73	8.79	+5.07	3.15	−1.79	1.43	−1.18	1.83	−0.27	1.60	+0.06	$40.01	+2.52
Shelbyville	0.74	−0.83	1.63	+0.24	4.13	+1.88	7.23	+4.51	3.48	−1.14	1.36	−3.22	1.49	−1.23	10.63	+6.40	3 98	+0.83	2.93	+0.81	$3.23	+0.25	1.40	−0.40	$42.23	+8.10
Steffeuville	0.31	−1.70	2.26	+0.49	5.31	+2.30	8.18	+4.60	3.11	−1.46	0.69	−3.85	1.42	−2.60	5.57	+1.53	2.56	−1.94	3.06	+0.33	3.41	+1.22	1.31	−0.38	37.19	−1.55
Tarkio.	0.65	−0.09	0.50	−0.78	2.50	+0.83	6.57	+3.33	7.13	+2.59	3.61	−1.35	1.96	−2.19	5.31	+1.41	1.66	−2.58	3.22	+0.41	1.35	−0.39	1.84	+0.88	36.30	+2.07
Trenton	0.77	−0.57	0.85	−0.73	4.00	+1.55	6.70	+3.12	3.52	−1.18	5.42	+0.38	3.04	−1.03	8.56	+4.68	1.33	−3.42	1.65	−1.48	3.20	+1.08	2.71	+1.30	41.75	+3.70
Troy	0.32	−1.68	1.51	−0.02	2.45	−0.27	7.25	+4.24	3.17	−0.72	1.73	−1.93	5.17	+2.82	4.29	+0.45	3.17	−0.05	0.81	−1.90	1.24	−1.75	$1.31	−0.69	$32.42	−1.50
Unionville	0.91	−0.81	1.02	−0.75	3.78	+1.28	5.95	+2.25	3.26	−1.99	5.26	+0.07	1.49	−2.63	5.88	+1.60	4.16	−0.93	1.62	−1.51	3.26	+1.06	2.55	+0.84	39.14	−1.52
Vandalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.78	.....	2.58	.....	$1.36	.....	.....	.....
Warrenton	0.25	−1.94	2.50	+0.61	$3.89	+0.71	6.77	+2.73	4.19	−0.21	0.94	−2.84	3.68	+0.54	3.97	+0.30	2.76	−1.60	0.89	−2.55	1.22	−1.40	1.14	−0.94	$32.20	−6.59
Keokuk, Iowa	0.42	−1.14	2.01	+0.41	4.47	+2.09	6.41	+3.45	4.15	+0.22	2.45	−1.68	2.99	−0.42	4.78	+1.58	3.69	−0.15	1.10	−1.16	2.70	+0.76	1.13	−0.32	36.33	+3.64
Southwestern Division																										
Altona	0.31	.....	3.07	.....	4.68	.....	8.39	.....	3.04	.....	4.78	.....	1.62	.....	10.64	.....	3.64	.....	2.69	.....	2.19	.....	$2.13	.....	$47.21	.....
Anderson....1½ miles sw	1.02	−1.51	$3.73	+1.95	4.10	+0.40	6.38	+1.69	6.85	+1.10	4.94	−0.99	2.26	−2.15	6.01	+1.89	4.97	+1.09	2.92	−0.97	1.52	−1.83	1.55	−0.80	$46.25	−0.13
Appleton City	0.39	−1.45	3.54	+1.87	4.69	+1.54	7.74	+3 61	1.56	−3.24	3.96	−1.06	1.21	−3.10	7.81	+3.85	2.38	−2.00	3.11	+0.15	2.08	−0.22	$1.93	+0.34	$40.40	+0.29
Ava Ranger Station.....	$0.85	.....	4.55	.....	3.29	.....	1.81	.....	7.73	.....	3.74	.....	1.15	.....	5.59	.....	3.88	.....	3.84	.....	1.96	.....	$1.70	.....	$39.82	.....
Bakersfield	1.07	.....	5.00	.....	3.07	.....	3.82	.....	2.54	.....	3.62	.....	$1.51	.....	3.80	.....	3.12	.....	1.11	.....	$2.58	.....	$3.67	.....	$34 91	.....
Bolivar	0.63	−1.36	2.45	+0.35	3.57	+0.14	3.11	−1.06	1.78	−3.57	2.10	−3.21	1.49	−2.23	11.66	+7.80	3.36	−0.85	1.31	−1.94	1.42	−1.16	1.43	−0.91	34.31	−7.94
Boonville.. .....(A)..	0.46	−1.26	2.92	+1.14	4.81	+1.77	9.40	+5.53	5.11	+0.50	1.39	−3.66	3.06	−0.18	6.07	+1.52	3.06	−2.13	1.11	−2.11	1.86	−0.35	1.43	−0.27	40.68	+0.50
Boonville .....(B)..	0.51	.....	3.40	.....	5.00	.....	9.93	.....	4.97	.....	1.86	.....	3.02	.....	6.54	.....	2.87	.....	1.16	.....	1.86	.....	1.80	.....	42.92	.....
Buffalo	1.02	−1.09	2.94	+1.18	3.19	+0.28	5.19	+1.52	2.68	−2.52	1.48	−3.54	2.52	−0.44	13.94	+9.82	3.04	−0.31	2.02	−0.80	1.43	−1.97	1.23	−0.84	40.68	+1.29
Butler	0.45	.....	$3.14	.....	5.76	.....	7.13	.....	2.59	.....	5.04	.....	1.59	.....	9.58	.....	3.00	.....	1.96	.....	2.28	.....	2.12	.....	$44.58	.....
Capiinger Mills.....	0.51	−1.41	$3.49	+2.18	3.84	+1.11	7.31	+3.72	3.40	−1.47	4.33	−1.83	3.20	−0.56	13.51	+8.96	2.02	−1.70	1.72	−2.16	1.97	−0.79	1.96	+0.26	$47.26	+6.31
Carthage	0.45	.....	2.93	.....	3.64	.....	5.56	.....	2.85	.....	9.10	.....	3.16	.....	6.41	.....	3.24	.....	4.96	.....	2.32	.....	2.12	.....	46.54	.....
Clinton	0.56	−1.47	3.95	+2.00	4.89	+1.53	8.72	+4.55	2.69	−2.14	2.49	−2.41	2.65	−0.78	8.00	+4.35	2.78	−1.74	1.93	−1.52	1.99	−0.17	1.54	−0.33	42.19	+1.87
Concordia	0.49	−1.05	2.82	+1.34	4.86	+2.31	10.74	+7.40	3.97	−0.78	3.64	−1.84	1.70	−2.29	7.96	+4.11	1.70	−2.80	1.02	−2.78	2.03	−0.19	$1.89	+0.12	$42.82	+3.55
Crocker	0.66	−2.02	3.38	+1.49	3.03	+0.80	4.68	+0.88	8.10	+4.30	2.06	−0.89	4.49	+0.41	9.34	+5.61	3.10	−0.97	2.08	−0.26	1.84	−0.29	$1.29	−0.87	$44.05	+8.19
Eldon	0.44	−1.32	$2.78	+0.96	3.56	+0.52	5.51	+1.35	5.13	+0.83	$1.21	−2.82	5.79	+2 57	8.29	+4.63	3.44	−1.18	1.65	−2.05	1.42	−1.03	$1.58	−0.18	$40.80	+2.27
Eldorado Springs	0.60	−1.62	3.85	+1.37	4.10	+1.17	5.97	+1.74	4.70	−0.45	2.80	−2.16	2.70	−1.62	13.15	+10.04	1.96	−1.45	2.88	+0.32	1.82	−0.57	2.04	−0.15	46.57	+6.62
Elijah	1.09	.....	4.71	.....	3.44	.....	4.82	.....	3.56	.....	2.68	.....	1.85	.....	5.66	.....	2.90	.....	2.55	.....	2.22	.....	3.70	.....	39.18	.....
Fort Leonard Wood	0.56	.....	$8.09	.....	3.06	.....	2.32	.....	6.50	.....	0.44	.....	2.64	.....	9.29	.....	3.24	.....	0.65	.....	0.90	.....	$1.14	.....	$33.74	.....
Galena	0.97	−1.70	4.82	+2.88	$2.74	+0.40	4.00	−0.12	1 81	−0.33	5.01	+0.25	2.10	−1.66	7.64	+3.54	2.24	−1.24	5.94	+2.46	1.95	−1.35	1.76	−0.41	$44.98	+2.72
Granby	1.15	.....	4.22	.....	4.33	.....	4.91	.....	3.26	.....	5.82	.....	3.52	.....	4.24	.....	4.60	.....	3.41	.....	1.72	.....	2.07	.....	43.25	.....
Hailey	1.28	−1.61	6.77	+4.97	3.25	−0.23	4.30	−0.09	3.92	−1.32	5.37	−0.23	2.19	−1.50	6.91	+2.00	3.67	−0.10	2.96	−1.34	1.41	−1.70	1 76	−0.56	43.82	−1.74
Harrisonville	0.43	−1.14	2.01	+0.28	4.12	+1.32	9.13	+5.75	2.40	−2.03	6.30	+1.51	2.40	−1.21	8.32	+4.14	2.23	−2.67	1.36	−1.61	2.89	+0.75	2.64	+1.19	44.23	+6.28
Jefferson City	0.24	−1.74	2.77	+1.01	2.96	−0.10	7.08	+3.10	5.79	+1.38	1.06	−3.17	3.43	+0.32	5.86	+2.03	3.98	−0.25	3.35	−0.02	1.60	−0.79	1.55	−0.39	39.67	+1.38
Joplin	0.97	−1.19	3.36	+1.68	4.37	+1.17	5.57	+0.87	3.05	−2.31	7.51	+1.51	1.02	−3.60	6.23	+2.26	3.25	−0.67	5.09	+1.64	2.83	+0.06	1.59	−0.30	44.84	+1.12
Lakeside	0.44	−1.74	2.85	+1.03	4.31	+1.36	4.82	+1.84	4.19	−0.08	0.96	−3.65	3.48	+1.33	14.15	+10.98	2.32	−2.08	1.63	−1.18	0.89	−2.82	1.36	−0.94	41.56	+4.41
Lamar.	0.74	−1.09	2.87	+1.19	4.27	+1.08	5.95	+1.43	3.25	−2.01	4.83	−0.71	6.75	+2.53	10.56	+6.27	2.88	−1.67	1.95	−1.66	2.00	−0 53	1.75	−0.15	47.80	+4.61
Lebanon	0 80	−1.84	$2.89	+0.70	2.69	−0.79	3.75	−0.60	4.40	−0.81	1.23	−3.94	4.34	+0.38	10.35	+5.86	4.18	−0.31	1.26	−2.51	1.41	−1.23	$1.37	−0.91	$38.67	−6.00
Lexington	0 44	−1.08	1.62	−0.22	4.31	+1.53	9.87	+6.07	6.25	+1.29	5.49	+0.94	2.74	−1.27	10.91	+7.39	4.15	−0.62	1 52	−1.51	3.12	+1.00	$3.23	+1.64	$53 65	+15.16
Lookwood	0.76	−1.16	2.21	+0.48	3.29	−0.27	4.94	−0.49	3.60	−1.72	3.74	−1.94	5.46	+0.70	8.18	+3.48	2.66	−2.12	2.23	−1.67	1.75	−1.09	1.60	−0.54	39.52	−6.28
Macomb	1.20	.....	4.11	.....	$2.96	.....	1.71	.....	3.82	.....	2.57	.....	2.42	.....	8.70	.....	3 39	.....	2.05	.....	*2.10*	.....	*1.37*	.....	$36.40	.....
Marshall	0 30	−1.35	$2.46	+0.68	5.69	+2.68	8.62	+4.73	5.20	+0.59	2.60	−2.20	2 09	−1.48	9.29	+5.39	2.00	−3.50	1.41	−1.72	3.29	+0.97	$2.08	+0.33	$44.94	+5.12
Marshfield	0.83	.....	$3.37	.....	3.52	.....	4.78	.....	3.06	.....	2.81	.....	2.46	.....	6.83	.....	2.66	.....	2.25	.....	$1.59	.....	$0.98	.....	$35.17	.....
Mountain Grove.....	0.66	−2.07	3.32	+1.10	2.59	−1.28	3 39	−1.13	4.05	−0.41	1.12	−3.82	2.82	−1.07	8.24	+3.90	2.95	−1.11	1 91	−1.55	1.82	−1.13	1.34	−1.07	34.22	−9.64
Mount Vernon	1 31	−1.40	3.21	+0.61	4.02	+0.13	4.67	+0.22	3.44	−2.07	6.06	+0.80	1.96	−3.23	6.45	+1 97	3.16	−0.68	3.35	−0.03	2.39	−0.55	1.69	−0.85	41.74	−5.05
Neosho	0.71	−1.76	4.60	+2.61	4.13	+0.58	1.70	+0.14	4.79	−0.77	7.86	+1.89	3.15	−1.50	5.14	+0.77	2.85	−1.44	4.25	+0.56	2.42	−0.88	1.86	−0.42	46.46	−0 22
Nevada	0 63	−1.20	4.05	+2.30	3.88	+1.01	7.78	+3 49	2.96	−1.97	3.31	−2.11	5.32	+1.66	13.22	+9.45	2.42	−1.89	2.00	−1.07	1.65	−0 50	1.97	+0.22	49.22	+9.39
Osceola	0.55	−1.58	3.63	+1.91	4.81	+1.62	5.47	+1.09	4.31	−1 16	2.06	−3.15	1.98	−1.88	7.44	+3.37	1.62	−3 19	1.84	−1.32	1.52	−1.26	1.58	−0.55	36.83	−6.10
Ozark Beach	1 45	−1.52	4.80	+3.00	3.45	+0.36	1.97	−2.59	4.12	−1.10	3.47	−2.41	0.85	−2.54	5.95	+1.62	2.76	−0.43	2.50	−1.37	1.87	−0.90	2.22	−0.53	35.41	−8.32
Pierce City	1.06	.....	4.23	.....	2.81	.....	4.03	.....	3.40	.....	6.35	.....	1.85	.....	5.35	.....	3.95	.....	2.43	.....	2.12	.....	1.80	.....	39.38	.....
Pineview Lookout.....	0.81	.....	6.38	.....	3 14	.....	4.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.02	.....	.....	.....	.....	.....
Pleasant Hill	0.37	.....	2.23	.....	4.84	.....	12.37	.....	3.52	.....	5.43	.....	2.49	.....	8.89	.....	2.00	.....	1.94	.....	2 84	.....	3.45	.....	50.37	.....
Roby	0 67	.....	3.19	.....	2 78	.....	2.78	.....	4.14	.....	0.55	.....	3.60	.....	8.43	.....	3.62	.....	1.44	.....	1.29	.....	1.63	.....	34.42	.....
St. Thomas. 2¼ miles sw	0.58	−1.90	3.12	+1.79	3.08	+0.57	5.61	+2.48	4.93	+0.55	0.25	−5.07	5.05	+2.71	6.98	+2.39	2 44	−2.42	0 88	−3.01	1.34	−1.86	1.07	−1.24	34.46	−5.01
Sedalia	$0 39	−1.86	3.58	+1.44	4.33	+1.50	12.77	+9.04	4.36	−0.14	1.70	−3.58	3.83	−0.61	9.95	+4.77	2 40	−2.50	0.91	−1 77	2.01	+0.39	1.78	+0 50	$48.01	+7.14
Seligman	1.82	−9.97	5.18	+3.34	4 60	+1.00	5.33	+1.27	1.83	−0.61	7.93	+2 98	4.68	+0.56	5.42	+1.42	3.15	−0.53	4.62	+1.16	1.70	−1.39	1.67	−0.53	50.93	+7.70
Seymour ...3½ miles NE	1.12	−1.47	3.55	+1.37	2.66	−1.00	2.01	−2.31	3.75	−1.08	2.57	−2.77	1.48	−2.46	5.16	+0.92	2.66	−1.36	4.83	+1.35	2.51	−0.88	1.06	−1.20	33.36	−10.39
Shell Knob.....3 mi. SE	.....	.....	5.47	.....	3.88	.....	4.35	.....	6.37	.....	1.53	.....	.....	.....	.....	.....	.....	.....	3.70	.....	1.96	.....	$1.33	.....	.....	.....
Siloam Sprgs. Lookout .	1.06	.....	2.21	.....	2 53	.....	4.40	.....	2.37	.....	2.20	.....	2.70	.....	4.49	.....	1.90	.....	2.88	.....	3.45	.....	$3.10	.....	$32.79	.....
Springfield.. . ½ mile E	0.98	−1.36	3.16	+0.73	3.26	−0.13	3.84	−0.02	2 87	−2.32	2.23	−2.45	5.92	+1.71	6.65	+2.56	2.39	−1.13	3.16	+0.11	1.80	−0.99	0.91	−1.40	37 17	−4.69

Continued on next page

Monthly and Annual Precipitation for the Year 1944, with Departures from Normal—Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Southwest Div.–Concluded																										
Stover	0.24	−1.44	2.30	+0.87	4.42	+1.79	5.22	+1.40	3.67	−1.14	2.19	−3.16	3.86	+0.51	7.93	+4.01	1.72	−2.35	2.05	−1.97	2.16	−0.62	§1.80	−0.34	§37.56	−2.44
Sugar Camp Lookout	....	.....	....	.....	....	.....	6.39	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Springs	0.44	.....	2.89	.....	4.55	.....	7.75	.....	5.26	.....	2.36	.....	2.91	.....	10.52	.....	1.57	.....	0.85	.....	2.69	.....	§2.25	.....	§44.04	.....
Tecumseh ....¼ mi. W	1.11	.....	3.94	.....	1.83	.....	1.08	.....	3.34	.....	1.38	.....	§1.93	.....	3.53	.....	2.36	.....	0.17	.....	2.61	.....	2.85	.....	§26.13	.....
Topaz	0.74	.....	3.32	.....	2.56	.....	3.65	.....	2.86	.....	2.77	.....	0.72	.....	7.02	.....	2.44	.....	§2.86	.....	1.60	.....	2.12	.....	§32.66	.....
Vanzant .....3¾ mi. SE	0.90	.....	3.57	.....	3.06	.....	3.02	.....	2.48	.....	3.81	.....	1.16	.....	7.29	.....	2.47	.....	2.63	.....	1.49	.....	2.35	.....	34.23	.....
Warrensburg	0.25	−1.53	2.99	+1.11	5.86	+2.77	9.85	+6.19	3.27	−1.45	4.77	−0.29	6.12	+2.15	8.37	+4.40	2.25	−2.53	1.59	−1.43	2.32	+0.10	2.17	+0.63	49.81	+0.12
Warsaw .....(A)	0.70	−1.44	3.41	+1.17	§4.66	+1.11	8.80	+4.34	5.53	+0.53	1.84	−3.46	4.34	+0.33	8.02	+3.40	2.01	−3.02	1.32	−2.48	2.95	+0.31	1.89	−0.23	§45.47	+0.56
Warsaw .....(B)	0.80	.....	2.87	.....	4.58	.....	8.69	.....	4.50	.....	1.70	.....	3.80	.....	7.98	.....	1.92	.....	1.26	.....	2.01	.....	1.66	.....	41.77	.....
Wasola	1.33	.....	4.77	.....	3.17	.....	3.89	.....	3.23	.....	4.40	.....	2.43	.....	6.04	.....	4.01	.....	3.86	.....	1.78	.....	2.65	.....	41.56	.....
Waverly	0.31	−1.23	1.61	−0.05	4.75	+1.99	8.12	+4.41	4.76	+0.15	3.61	−1.35	3.38	−1.00	9.03	+5.34	3.77	−1.57	1.05	−2.25	2.81	+0.53	2.03	+0.45	45.23	+5.42
Wilderness Lookout	0.79	.....	6.41	.....	4.22	.....	4.90	.....	7.33	.....	5.58	.....	2.56	.....	4.68	.....	1.88	.....	4.29	.....	1.66	.....	2.28	.....	46.58	.....
Southeastern Division																										
Advance .....½ mile W	0.62	.....	5.13	.....	4.91	.....	8.03	.....	7.33	.....	2.73	.....	2.22	.....	2.61	.....	1.33	.....	0.39	.....	1.74	.....	3.48	.....	40.52	.....
Alton.....10 miles SE	1.03	.....	5.56	.....	3.95	.....	7.09	.....	6.07	.....	0.55	.....	2.20	.....	1.23	.....	0.64	.....	1.81	.....	2.91	.....	4.15	.....	37.19	.....
Annapolis	§0.70	.....	3.25	.....	3.00	.....	4.25	.....	3.07	.....	1.37	.....	2.16	.....	3.17	.....	2.19	.....	0.60	.....	1.88	.....	1.69	.....	§27.83	.....
Annapolis....4½ mi. NW	0.66	.....	3.80	.....	3.65	.....	5.57	.....	3.66	.....	2.07	.....	3.27	.....	2.62	.....	1.97	.....	0.58	.....	1.85	.....	2.53	.....	32.22	.....
Arcadia	0.69	−2.30	3.34	+0.86	3.12	−0.93	4.23	−0.59	3.07	−1.17	1.19	−2.95	4.07	−0.05	2.60	−1.77	2.79	−1.19	0.50	−2.95	1.97	−1.15	§1.88	−0.97	§29.45	−15.16
Banner	0.62	.....	3.05	.....	3.12	.....	4.95	.....	4.10	.....	1.40	.....	4.92	.....	2.39	.....	2.61	.....	1.05	.....	1.67	.....	2.28	.....	35.28	.....
Belleview	0.14	.....	2.61	.....	2.97	.....	5.12	.....	3.45	.....	1.61	.....	3.80	.....	4.40	.....	3.90	.....	0.13	.....	1.94	.....	§2.27	.....	§32.91	.....
Bernie	....	.....	....	.....	....	.....	....	.....	....	.....	.....	.....	2.33	.....	2.55	.....	1.64	.....	0.87	.....	3.97	.....	4.32	.....	.....	.....
Birch Tree .... ½ mile E	1.62	−2.16	4.16	+1.66	2.83	−1.15	6.46	+1.70	9.26	+4.91	2.43	−1.98	2.27	−1.31	3.12	−1.64	1.69	−1.99	0.89	−2.39	3.27	+0.11	2.73	−0.02	40.13	−4.26
Black.....9 mi NW	0.81	−1.89	3.26	+0.98	2.77	−1.12	4.75	−0.14	4.81	+0.30	0.70	−3.36	4.38	+0.69	2.91	−1.33	3.79	−0.07	0.88	−2.71	2.30	−0.42	2.18	−0.27	33.54	−9.34
Bloomfield	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	0.99	.....	3.49	.....	1.56	.....	1.13	.....	1.86	.....	4.98	.....	.....	.....
Bunker ..... 4 miles NW	0.79	.....	3.79	.....	2.99	.....	5.01	.....	6.17	.....	0.65	.....	2.71	.....	3.27	.....	2.02	.....	1.36	.....	2.39	.....	2.46	.....	33.61	.....
Campoell	0.85	−4.45	5.50	+2.17	3.69	−2.23	10.03	+5.77	3.48	−1.53	2.09	−2.15	2.13	−1.35	3.30	−2.68	2.13	−1.74	1.53	−1.57	5.03	+1.33	§5.25	+1.30	§45.01	−7.13
Cape Girardeau	0.58	−3.40	3.79	+1.39	3.53	−0.31	6.53	+2.65	4.03	−0.04	2.23	−2.07	1.78	−1.64	5.88	+1.98	2.52	−1.49	0.02	−3.28	1.23	−2.35	2.92	−0.75	35.04	−9.31
Caruthersville	1.32	−3.87	7.22	+3.84	5.23	+0.77	6.94	+2.42	4.44	0.00	1.86	−1.95	2.00	−1.29	1.27	−2.42	2.86	−0.35	2.30	−1.06	3.06	−0.79	6.28	+1.74	44.78	−2.96
Centerville	0.54	.....	4.44	.....	3.19	.....	4.90	.....	4.67	.....	1.70	.....	3.72	.....	3.15	.....	2.16	.....	0.79	.....	2.34	.....	2.55	.....	34.15	.....
Cook Station	0.28	.....	4.28	.....	2.40	.....	4.98	.....	4.41	.....	0.43	.....	2.85	.....	4.26	.....	3.54	.....	0.70	.....	1.58	.....	§1.83	.....	§31.54	.....
Crane Mountain	0.51	.....	3.90	.....	3.56	.....	4.30	.....	3.09	.....	0.59	.....	2.24	.....	2.00	.....	2.01	.....	0.45	.....	1.54	.....	2.61	.....	26.80	.....
Crystal City	0.25	−2.04	2.59	+0.72	3.54	+0.86	7.27	+3.63	4.39	+0.23	2.31	−3.11	3.53	+0.32	4.23	+1.80	4.99	+1.61	0.59	−2.18	1.37	−2.05	2.02	−0.52	37.08	−0.73
Cuba	0.29	.....	4.49	.....	3.00	.....	4.66	.....	6.10	.....	0.14	.....	2.34	.....	4.68	.....	3.39	.....	1.38	.....	1.18	.....	1.29	.....	32.94	.....
Deering	0.71	.....	8.59	.....	4.16	.....	6.13	.....	2.72	.....	2.45	.....	1.45	.....	1.54	.....	2.12	.....	0.65	.....	2.69	.....	6.07	.....	39.22	.....
De Soto	0.24	.....	3.09	.....	3.28	.....	6.70	.....	3.75	.....	2.09	.....	1.48	.....	5.93	.....	2.92	.....	0.50	.....	1.35	.....	2.00	.....	33.33	.....
Dexter	0.83	−4.21	5.03	+1.95	5.36	+0.48	9.00	+4.41	4.01	−0.78	1.43	−2.98	1.48	−1.64	3.14	−0.98	2.93	−1.59	1.37	−2.89	2.83	−1.09	4.61	+0.62	42.02	−8.70
Doniphan	0.83	−3.27	5.33	+2.02	2.71	−1.68	8.78	+3.85	5.43	+1.07	1.56	−2.80	1.39	−2.65	2.50	−1.74	0.90	−2.71	2.63	−0.43	2.69	−0.73	3.77	+0.05	38.52	−9.02
East End	1.00	.....	§2.64	.....	§3.36	.....	4.49	.....	4.85	.....	0.77	.....	4.91	.....	1.34	.....	4.35	.....	0.35	.....	2.18	.....	2.06	.....	§32.30	.....
Eastwood Lookout	0.43	.....	4.08	.....	3.74	.....	7.84	.....	....	.....	....	.....	....	.....	....	.....	....	.....	1.49	.....	2.98	.....	3.14	.....	.....	.....
Ellington	0.70	.....	4.30	.....	4.14	.....	5.82	.....	7.11	.....	2.37	.....	2.97	.....	*3.76*	.....	*2.82*	.....	*1.16*	.....	3.19	.....	3.05	.....	§40.89	.....
Ellsinore Lookout	1.68	.....	5.01	.....	3.99	.....	8.84	.....	2.48	.....	0.55	.....	0.90	.....	4.03	.....	§1.25	.....	0.32	.....	2.10	.....	§2.81	.....	§33.96	.....
Farmington	0.48	−2.66	2.61	+0.09	2.91	−1.01	5.32	+0.80	4.88	−0.19	0.80	−3.08	1.53	−2.03	3.41	−0.89	2.54	−1.26	0.40	−3.04	1.54	−1.28	2.12	−0.68	28.54	−15.23
Fisk	0.50	−4.51	4.91	+1.65	3.27	−1.55	8.41	+4.71	2.88	−0.62	0.85	−3.01	2.07	−1.31	2.40	−0.85	1.48	−2.76	1.47	−1.49	3.53	+0.87	4.81	+1.34	36.58	−7.53
Fredericktown	0.52	−3.19	3.79	+1.16	3.17	−0.48	5.07	+0.59	4.25	+0.16	1.69	−2.51	2.36	−0.86	2.10	−2.16	2.61	−1.35	0.30	−4.09	1.84	−1.48	2.40	−0.77	30.10	−15.01
Gerald	0.37	.....	2.31	.....	2.80	.....	7.90	.....	7.21	.....	1.12	.....	2.32	.....	4.84	.....	2.56	.....	1.07	.....	0.97	.....	1.11	.....	34.58	.....
Greenville	0.73	−2.59	4.00	+1.28	3.34	−0.92	4.84	+0.14	4.61	+0.43	2.31	−2.38	2.66	−1.10	3.82	−0.46	2.01	−1.31	0.65	−2.63	1.58	−1.78	3.28	−0.08	33.83	−11.40
High Lookout	0.94	.....	4.13	.....	3.55	.....	7.12	.....	6.80	.....	2.87	.....	2.34	.....	5.54	.....	1.06	.....	1.06	.....	*2.82*	.....	*2.28*	.....	§40.51	.....
Jackson	0.61	−3.33	4.23	+1.35	3.89	−0.28	8.27	+3.93	2.90	−1.37	1.01	−3.68	1.77	−1.77	4.23	+0.15	2.72	−1.30	0.42	−3.10	2.26	−1.12	2.93	−0.50	35.24	−11.02
Jefferson Barracks	0.26	−2.00	2.82	+0.19	2.46	−0.38	6.83	+3.63	3.82	−0.53	1.22	−3.50	2.88	−1.41	3.35	−0.25	3.48	+0.61	0.48	−2.63	0.85	−2.64	1.39	−0.78	29.84	−9.69
Jerome	0.65	−1.33	3.68	+1.36	4.30	+1.45	3.73	−0.10	5.75	+1.44	§0.62	−3.13	2.40	−0.90	4.68	+0.40	1.57	−2.02	1.32	−0.70	1.46	−1.01	1.39	−0.44	§31.55	−4.98
Koshkonong	1.33	−2.29	4.50	+1.64	4.03	−0.07	5.97	+0.95	5.58	+1.03	2.53	−1.97	3.81	+0.04	3.18	−0.98	1.59	−2.05	1.65	−1.57	2.91	−0.35	4.46	+0.98	41.54	−4.64
Leeper	0.28	−3.62	4.36	+1.71	3.09	−0.55	4.96	+0.04	5.16	+0.76	2.45	−2.99	1.51	−1.81	4.18	+0.07	1.60	−1.63	0.88	−3.03	3.08	−0.30	3.46	−0.32	35.01	−11.67
Licking ..... 4 miles N	*0.04*	.....	2.64	.....	2.46	.....	2.19	.....	6.69	.....	0.45	.....	2.19	.....	4.87	.....	2.53	.....	1.60	.....	1.73	.....	1.16	.....	§28.55	.....
Macedonia Lookout	0.88	.....	5.72	.....	4.05	.....	6.79	.....	4.40	.....	0.60	.....	0.96	.....	1.71	.....	2.33	.....	1.64	.....	2.62	.....	4.94	.....	36.64	.....
Malden .....4 miles NNW	0.85	.....	5.04	.....	4.16	.....	9.07	.....	2.96	.....	0.98	.....	2.92	.....	2.31	.....	1.62	.....	0.80	.....	4.06	.....	4.40	.....	39.17	.....
Marble Hill	0.76	−3.11	2.79	−0.29	4.42	+0.14	7.33	+2.81	4.19	−0.30	2.89	−1.59	2.41	−1.61	3.40	−0.72	2.47	−1.41	0.47	−2.95	2.61	−0.94	2.68	−0.99	36.42	−10.93
Meramec Park	0.33	−1.70	§4.09	+1.64	2.69	+0.05	5.31	+0.90	7.75	+1.95	0.88	−5.07	1.70	−1.22	2.86	−0.13	3.43	+0.31	0.67	−2.42	1.22	−2.07	1.09	−1.61	§32.02	−9.37
Morehouse	0.62	−4.29	4.75	+1.01	4.05	−0.86	9.76	+4.91	2.16	−2.12	2.61	−1.62	§0.93	−2.08	3.35	−0.56	1.81	−1.11	0.26	−3.27	3.12	−0.51	4.96	+0.74	38.38	−10.76
Moselle	0.20	.....	2.92	.....	2.10	.....	8.72	.....	13.05	.....	2.43	.....	2.27	.....	1.82	.....	2.52	.....	1.42	.....	1.37	.....	§1.37	.....	§40.19	.....
New Madrid	0.70	−4.79	7.09	+3.34	4.76	−0.07	4.21	−0.37	2.08	−2.35	1.53	−2.97	1.20	−2.77	2.56	−1.54	2.24	−1.85	0.95	−2.82	3.66	−0.37	5.08	+0.47	36.06	−15.59
Owensville	0.10	−1.72	2.61	+0.95	3.30	−0.02	6.55	+3.21	7.71	+2.91	0.59	−4.06	2.06	−1.56	3.84	0.00	3.97	+0.48	1.25	−2.18	1.21	−1.60	§1.04	−1.29	§34.23	−4.85
Pacific	0.49	−1.87	§2.65	+0.51	§4.29	+0.58	7.95	+3.78	6.00	+1.05	*2.48*	−2.05	5.23	+1.59	§3.72	+0.03	§3.26	−0.54	1.75	−1.28	§1.26	−1.49	§1.85	−0.35	§40.93	−0.04
Parma	0.63	−4.63	6.07	+3.19	3.37	−1.99	8.08	+3.84	2.80	−1.36	2.66	−0.82	1.75	−2.14	1.36	−3.21	2.00	−3.05	0.68	−2.46	4.57	+0.10	4.38	−0.40	38.35	−12.93
Perryville	0.70	.....	3.56	.....	3.07	.....	4.98	.....	3.81	.....	1.08	.....	1.74	.....	2.18	.....	3.40	.....	0.76	.....	1.41	.....	§3.52	.....	§30.21	.....
Pilot Knob..... 2 mi NE	0.68	.....	2.81	.....	3.07	.....	4.38	.....	4.13	.....	1.22	.....	3.88	.....	1.44	.....	3.72	.....	0.42	.....	1.09	.....	§1.85	.....	§28.69	.....
Poplar Bluff .....(A)	0.65	−3.77	5.30	+2.41	3.44	−0.92	10.90	+6.39	4.33	−0.19	1.17	−2.95	2.09	−1.85	3.19	−1.38	1.96	−1.93	1.06	−2.60	2.60	−0.88	3.77	−0.22	40.46	−7.89
Poplar Bluff .....(B)	0.56	.....	5.44	.....	3.88	.....	10.77	.....	4.58	.....	1.03	.....	1.98	.....	2.70	.....	1.89	.....	0.94	.....	2.80	.....	4.51	.....	41.08	.....
Puxico	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.00	.....	3.70	.....	1.49	.....	0.74	.....	2.14	.....	4.27	.....	.....	.....
Qulin	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	2.34	.....	2.73	.....	1.66	.....	0.96	.....	2.61	.....	4.53	.....	.....	.....
Reynolds	0.39	.....	4.24	.....	2.29	.....	5.19	.....	5.58	.....	1.88	.....	3.59	.....	3.58	.....	2.39	.....	1.21	.....	2.10	.....	§2.22	.....	§34.66	.....
Richwoods	0.19	.....	3.70	.....	2.55	.....	6.40	.....	4.53	.....	0.99	.....	§2.61	.....	2.30	.....	3.24	.....	0.89	.....	1.20	.....	§1.83	.....	§30.43	.....
Rolla	0.70	−1.76	5.16	+3.11	3.28	−0.35	4.51	+0.29	6.12	+0.37	0.59	−3.82	2.54	−0.85	6.19	+1.75	3.24	−0.90	2.00	−1.46	1.89	−0.79	1.09	−1.09	37.31	−4.50
Round Spring	0.84	.....	3.95	.....	2.82	.....	3.80	.....	7.31	.....	1.13	.....	0.81	.....	5.03	.....	2.72	.....	1.28	.....	1.85	.....	§2.62	.....	§34.16	.....
St. Louis:																										
City Office	0.30	−2.01	2.72	+0.09	2.49	−0.89	8.82	+5.01	4.15	−0.19	1.34	−2.48	3.45	+0.47	2.46	−0.58	4.37	+0.91	0.78	−1.94	§1.11	−1.72	1.52	−0.69	§33.51	−4.00
St. Louis Airport	0.20	−2.06	2.65	+0.41	2.71	−0.17	9.54	+5.92	4.46	+0.54	2.19	−2.10	2.97	+0.31	3.25	+0.23	2.96	−1.41	1.07	−2.35	1.15	−1.25	1.75	+0.02	34.90	−1.91
St. Louis University	0.19	−2.41	2.84	+0.53	3.07	−0.27	11.13	+7.27	4.99	+0.80	1.27	−2.32	2.91	−0.27	1.91	−2.03	3.52	−0.24	0.59	−2.57	1.56	−0.98	1.90	−0.54	35.88	−3.03
WashingtonUniversity	§0.16	.....	2.95	.....	2.79	.....	11.28	.....	4.41	.....	1.58	.....	4.16	.....	2.82	.....	2.93	.....	0.67	.....	1.88	.....	1.68	.....	§37.31	.....
Salem	0.54	−2.18	3.36	+1.08	2.90	−0.97	3.81	−0.69	8.18	+3.67	1.04	−3.61	2.24	−1.26	4.51	−0.06	3.51	−0.37	0.68	−2.94	1.90	−0.74	1.34	−1.20	34.01	−9.27
Sikeston	1.16	−3.70	5.11	+1.89	5.63	+1.17	9.16	+4.54	2.81	−1.43	2.37	−1.82	1.17	−2.55	4.22	+0.42	1.98	−1.90	0.15	−3.12	3.12	−0.44	5.37	+1.43	42.25	−5.51
Steelville .....2½ mi. NE	*0.46*	.....	4.17	.....	§2.40	.....	4.03	.....	§3.43	.....	*3.89*	.....	§2.51	.....	2.91	.....	3.12	.....	0.73	.....	*1.42*	.....	1.81	.....	§26.88	.....
Summersville	0.65	.....	2.97	.....	2.44	.....	3.45	.....	6.21	.....	2.02	.....	2.30	.....	6.79	.....	3.75	.....	2.20	.....	1.83	.....	§2.87	.....	§37.48	.....
Union .....1½ mi. SE	0.29	−2.03	2.19	−0.01	2.32	−0.98	7.17	+2.81	8.75	+4.21	2.49	−1.81	3.73	−0.21	3.28	−1.42	2.87	−1.32	1.45	−2.03	1.02	−1.73	§1.47	−0.74	§37.03	−5.26
Valley Park	0.08	−2.18	2.29	+0.40	1.94	−1.43	8.25	+4.13	5.91	+1.44	2.51	−1.37	4.08	+1.16	5.80	+1.75	3.16	−0.38	0.95	−2.44	1.54	−1.06	1.11	−1.06	37.62	−1.04
Van Buren	0.56	.....	3.71	.....	3.57	.....	4.67	.....	5.27	.....	1.00	.....	1.02	.....	2.33	.....	1.35	.....	1.40	.....	2.07	.....	2.46	.....	29.41	.....
Vichy ..... 2 miles NW	0.58	.....	2.43	.....	3.47	.....	5.19	.....	6.69	.....	0.39	.....	2.39	.....	4.14	.....	3.04	.....	1.56	.....	1.01	.....	0.99	.....	31.88	.....
Wappapello Dam	0.51	.....	4.90	.....	3.45	.....	10.09	.....	3.50	.....	0.80	.....	1.16	.....	5.14	.....	1.46	.....	0.38	.....	1.98	.....	4.24	.....	37.70	.....
Weingarten	0.53	.....	2.58	.....	4.12	.....	5.40	.....	5.10	.....	4.66	.....	1.80	.....	3.41	.....	4.52	.....	0.35	.....	1.35	.....	§2.05	.....	§35.87	.....
West Plains	1.15	.....	4.52	.....	3.17	.....	6.10	.....	2.37	.....	3.96	.....	2.70	.....	2.71	.....	1.74	.....	2.09	.....	2.69	.....	2.93	.....	36.13	.....
Williamsville	0.79	−3.67	4.79	+2.15	2.82	−1.08	6.00	+1.28	1.65	−2.82	1.74	−4.09	2.05	−1.98	4.13	−1.21	1.69	−1.68	0.76	−3.35	2.26	−1.33	3.16	−1.20	31.84	−18.98
Willow Springs	0.72	−2.46	3.36	+0.74	2.90	−1.34	3.85	−0.99	3.64	−0.96	3.30	−1.53	2.85	−0.95	6.01	+1.93	2.28	−1.80	1.54	−1.78	1.89	−1.45	2.92	+0.12	35.20	−10.47
Winona Ranger Station	0.92	.....	4.06	.....	3.20	.....	7.52	.....	7.97	.....	3.02	.....	2.11	.....	4.10	.....	2.00	.....	0.51	.....	2.37	.....	1.83	.....	39.61	.....
Zalma .....3½ miles S	0.62	.....	4.60	.....	4.01	.....	9.46	.....	5.53	.....	1.79	.....	2.78	.....	2.69	.....	1.17	.....	0.61	.....	1.93	.....	3.29	.....	38.48	.....
Cairo, Ill	0.74	−3.02	4.63	+1.41	5.12	+1.37	6.50	+2.78	3.79	+0.08	2.04	−1.79	1.11	−1.96	4.40	+1.38	1.86	−1.03	0.63	−2.13	2.60	−1.08	4.89	+1.49	38.51	−2.50
	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	.....	.....
	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	.....	.....

Italics data interpolated. § Partly interpolated. † Indicates plus.

Monthly and Annual Mean Temperatures for the Year 1944, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northern Division																										
Albany	33.4	.....	31.6	.....	35.8[a]	.....	46.8	.....	66.8	.....	80.5[a]	.....	75.2[e]	.....	73.0[a]	.....	66.8	.....	57.5	.....	50.4[o]	.....	24.7	.....	53.5	.....
Bethany	33.0	+ 8.2	31.1	+ 3.6	34.4	− 5.9	46.4	− 5.1	66.0	+ 3.5	72.6	+ 0.6	74.6	− 1.7	72.9	− 2.1	67.4	+ 0.3	57.2	+ 2.4	45.0	+ 2.2	24.3	− 5.8	52.1§	0.0
Brookfield	32.4	.....	32.8	.....	36.6	.....	48.3	.....	68.4	.....	77.8	.....	78.8	.....	76.4	.....	70.8	.....	61.6	.....	45.5§	.....	24.2	.....	54.5§	.....
Brunswick	33.0	+ 6.3	32.8	+ 3.0	37.4	− 4.5	48.6	− 5.6	68.4	+ 4.2	76.3	+ 3.3	77.3	+ 1.2	74.7	+ 0.5	69.2	+ 2.2	58.8	+ 3.5	45.2	+ 3.6	25.9	− 4.7	54.0	+ 1.1
Canton, Lock & Dam No. 20	30.6	.....	31.6	.....	37.2	.....	47.9	.....	67.0	.....	76.0	.....	75.6	.....	74.7	.....	67.8	.....	56.4	.....	45.0	.....	25.5	.....	52.9	.....
Chillicothe	31.6	+ 7.2	31.4	− 0.9	35.9	− 5.8	47.3	− 4.7	67.4	+ 4.5	74.0	+ 1.7	75.7	− 1.3	73.4	− 2.1	67.4	− 0.1	57.8	+ 2.8	44.2	+ 2.9	25.4	− 4.5	52.6	0.0
Clifton Hill	33.6	+ 5.5	35.5	+ 5.3	38.6	− 3.6	50.0	− 3.5	68.2	+ 4.6	76.0	+ 3.6	78.0	+ 1.6	75.6	− 0.4	69.0	+ 0.4	59.0	+ 2.3	46.1	+ 2.7	25.7	− 5.3	54.6§	+ 1.1
Columbia	34.9	+ 4.1	36.3	+ 3.9	40.4	− 2.5	51.1	− 3.8	69.2	+ 4.1	77.6	+ 4.2	79.0	+ 1.7	75.2	− 1.1	68.8	− 0.6	59.4	+ 2.5	46.1	+ 2.0	27.2	− 6.8	55.4	+ 0.6
Conception	33.9	+ 9.2	31.9	+ 3.7	35.1	− 4.7	46.6	− 5.6	66.8	+ 4.7	74.4	+ 2.9	76.6	0.0	73.8	− 0.9	67.4	+ 0.2	58.5	+ 3.1	43.8	+ 2.4	24.0	− 5.2	52.7	+ 0.8
Edgerton	34.2	+ 7.3	34.2	− 0.1	38.4	− 4.8	47.4	− 6.4	67.0	+ 4.0	73.2	+ 1.3	77.0	+ 0.9	74.1	− 1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elsberry	34.2	+ 2.6	36.8	+ 3.0	40.4	− 3.1	52.2	− 1.4	68.8	+ 4.1	78.3	+ 3.9	76.9	− 2.5	76.0	− 0.5	68.6	− 0.7	57.6	+ 1.1	47.2	+ 3.8	27.6	− 6.8	55.4	+ 0.2
Fayette	33.8	+ 6.8	36.2	+ 5.6	39.2	− 2.7	50.0	− 4.2	68.0	+ 4.2	75.6	+ 2.8	76.7	− 0.5	74.2	− 1.7	68.9	+ 0.8	58.8	+ 2.4	45.8	+ 3.6	27.4	− 3.7	54.6	+ 1.2
Fulton	33.2	+ 3.7	34.6	+ 1.5	40.6	− 3.5	49.8	− 4.8	68.2	+ 3.6	76.2	+ 3.0	77.6	− 0.1	75.4	− 1.0	67.7	− 1.2	58.6	+ 1.2	45.3	+ 1.1	26.4	− 7.1	54.5	− 0.3
Grant City	33.0	+ 8.2	31.2	+ 2.6	35.2	− 6.1	46.6	− 5.6	66.4	+ 4.4	73.0	+ 2.2	74.9	− 1.3	72.7	− 2.2	66.2	− 0.8	57.6	+ 2.5	43.1	+ 1.2	23.2	− 4.8	51.9	0.0
Hannibal	31.6	+ 4.5	32.3	+ 2.6	36.6	− 4.4	48.6	− 4.8	67.0	+ 3.4	75.0	+ 2.5	76.0	− 0.8	74.2	− 0.8	66.6	− 1.1	56.8	+ 0.8	43.0	+ 0.9	23.8	− 7.7	52.6	− 0.4
Kansas City Airport	36.0	+ 7.8	35.6	+ 4.4	39.2	− 3.5	50.3	− 4.5	69.5	+ 4.7	77.0	+ 3.4	78.8	+ 0.7	76.5	− 0.1	70.4	+ 1.5	61.2	+ 3.5	46.9	+ 3.2	28.2	− 4.3	55.8	+ 1.4
Kansas City University	36.6	.....	37.4	.....	39.8	.....	50.8	.....	69.2	.....	78.0	.....	79.2	.....	76.6	.....	70.2	.....	61.6	.....	50.2[a]	.....	29.5	.....	56.6	.....
Kidder	32.8	+ 6.8	32.2	+ 3.8	36.1	− 4.7	52.2	0.0	66.6	+ 4.0	73.2	+ 1.4	75.1	− 1.5	72.6	− 2.8	67.2	− 0.1	57.6	+ 1.8	44.0	+ 2.2	24.4	− 4.8	52.8	+ 0.5
Kirksville	32.5	+ 7.7	32.8	+ 5.7	36.5	− 3.2	48.7	− 3.2	68.4	+ 6.1	76.2	+ 4.5	77.4	+ 1.4	75.3	+ 1.3	68.4	+ 2.1	58.0	+ 3.3	44.2	+ 3.6	24.6	− 5.0	53.6	+ 2.0
Lawson	34.5	.....	35.0	.....	37.4	.....	48.5	.....	67.4	.....	74.4	.....	75.6	.....	73.6	.....	68.2	.....	59.1	.....	45.7	.....	26.2	.....	53.8	.....
Louisiana	31.5	+ 3.4	32.4[b]	+ 1.5	37.6	− 5.9	48.2	− 5.8	67.1	+ 3.4	75.5	+ 3.4	74.6	− 1.8	74.0	− 0.9	66.4	− 1.6	57.2	+ 1.0	44.8	+ 0.7	24.8	− 7.0	52.8	− 0.8
Macon	31.1	+ 3.6	31.3	+ 1.7	35.7	− 6.5	47.0	− 6.1	66.4	+ 2.9	74.6	+ 2.2	76.7	− 0.5	73.6	− 2.5	68.2	+ 0.3	57.2	+ 0.9	43.6	+ 0.8	24.2	− 5.9	52.5	− 0.7
Maryville	31.6	+ 8.7	30.0	+ 4.2	33.1	− 4.8	46.0	− 4.8	65.3	+ 4.0	72.1	+ 2.3	73.6	− 2.1	71.6	− 2.2	65.0	− 0.6	55.2	+ 1.7	41.0	+ 1.6	22.2	− 4.6	50.6	+ 0.3
Memphis	30.8	.....	28.6	.....	34.0	.....	45.2	.....	66.0	.....	73.6	.....	75.4	.....	73.2	.....	66.2	.....	56.8	.....	42.7	.....	22.0	.....	51.2	.....
Mexico	31.6	+ 3.6	33.6	+ 3.5	37.4	− 4.6	49.0	− 4.8	68.6	+ 4.6	77.4	+ 4.2	79.4	+ 2.1	76.2	+ 0.2	69.0	+ 0.5	57.4[b]	+ 1.1	45.2	+ 2.3	26.0	− 5.8	54.2	+ 0.5
Moberly 3½ mi. NE	33.3	.....	34.8	.....	36.1	.....	47.8	.....	67.0	.....	75.1	.....	76.6	.....	74.0	.....	67.8	.....	57.8	.....	44.2	.....	24.6	.....	53.3§	.....
New Florence 1 mile SE	33.2	.....	34.4	.....	38.3	.....	49.8	.....	67.0	.....	75.2	.....	76.6	.....	74.3	.....	67.0	.....	57.7	.....	44.6	.....	26.0	.....	53.7	.....
Oregon	34.6	+10.5	33.3	+ 4.5	36.0	− 3.6	48.4	− 4.3	68.5	+ 5.3	74.8	+ 2.6	76.5	+ 0.9	74.7	− 0.5	68.0	+ 0.9	58.8	+ 3.7	45.0	+ 4.5	26.1	− 2.6	53.7	+ 1.8
St. Charles	34.2	+ 3.2	36.4	+ 3.1	40.6	− 3.9	52.5	− 3.1	70.2	+ 7.1	78.8	+ 4.9	78.4	+ 0.3	77.6	− 0.8	70.2	+ 1.9	57.2	− 1.0	47.4	+ 2.1	27.0	− 7.9	55.9§	+ 0.7
St. Joseph	34.8	+ 9.3	33.7	+ 4.1	36.6	− 3.9	48.8	− 4.7	68.5	+ 4.3	75.0	+ 1.8	77.3	− 0.1	74.6	− 1.9	68.8	+ 0.4	60.0	+ 4.0	44.8	+ 3.3	26.4	− 3.2	54.1	+ 1.1
Saverton, Lock & Dam 22	32.0	.....	34.1	.....	37.6	.....	49.0	.....	67.3	.....	75.7	.....	76.4	.....	74.8	.....	69.2	.....	58.3	.....	45.8	.....	26.0	.....	53.8	.....
Shelbina	31.8	.....	33.4	.....	38.0	.....	49.0	.....	67.4	.....	75.6	.....	77.4	.....	74.8	.....	69.0	.....	57.7	.....	44.6	.....	25.5	.....	53.7	.....
Steffenville	31.0	+ 3.6	32.6	+ 2.9	37.3	− 4.9	48.6	− 4.5	67.8	+ 4.0	76.4	+ 3.8	77.7	− 0.1	75.1	− 1.4	68.4	− 0.6	56.9	− 0.5	44.8	+ 1.3	25 2	− 5.4	53.5	− 0.1
Tarkio	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72.1	+ 0.3	74.4	− 2.4	72.4	− 2.8	65.2	− 1.1	55.4	+ 0.6	41.2	+ 1.1	22.8	− 3.6	.....	.....
Trenton	33.0	+ 6.7	32.9	+ 3.5	36.9	− 4.2	48.6	− 4.1	67.8	+ 4.3	75.4	+ 3.2	76.7	− 0.1	74.4	− 0.8	68.0	+ 0.8	58.8	+ 2 9	46.5	+ 4.3	26.2	− 3.4	53.8	+ 1.1
Unionville	31.0	+ 7.5	28.0	+ 1.3	32.8	− 6.1	44.8	− 6.2	66.2	+ 4.1	73.4	+ 2.1	75.4	− 1.1	74.0	− 0.8	67.4	+ 0.3	57.2	+ 2.0	42.8	+ 2.5	21.8	− 5.8	51.2	0.0
Vandalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.2	.....	46.0	.....	27.5	.....	.....	.....
Warrenton	35.2	+ 6.0	36.9	+ 6.0	40.3[e]	− 2.2	51.7	− 3.1	68.2	+ 3.3	78.7[e]	+ 5.3	78.1	+ 0.3	76.0	− 0.5	69.2	+ 0.2	57.8	+ 1.8	46.8	+ 3.6	28.6	− 3.8	55.6	+ 1.4
Keokuk, Iowa	33.2	+ 8.3	31.5	+ 3.1	36.3	− 2.6	48.5	− 3.8	68.2	+ 4.4	76.1	+ 3.6	76.8	− 0.1	75.1	+ 0.1	67.8	+ 0.3	57.8	+ 2.4	44 4	+ 3.3	24.8	− 4.8	53.4	+ 1.2
Division means	**33.0**	**+ 6.4**	**33.2**	**+ 3.2**	**37.2**	**− 4.3**	**48.7**	**− 4.4**	**67.6**	**+ 4.3**	**75.5**	**+ 2.9**	**76.7**	**− 0.2**	**74.5**	**− 1.0**	**68.0**	**+ 0.2**	**58.1**	**+ 2.0**	**45.1**	**+ 2.5**	**25.4**	**− 5.2**	**53.6**	**+ 0.5**
Southwestern Division																										
Anderson 1½ miles SW	37.0	+ 1.1	40.5	+ 4.8	43.1	− 5.7	52.8	− 3.9	65.8	+ 0.1	74.3	+ 1.6	76.0	− 1.3	76.4	− 1.3	68.2	− 2.8	59.2[a]	+ 0.5	49.0[a]	− 0.3	31.8[a]	− 5.7	56.2	− 1.0
Appleton City	35.9	+ 4.6	39.0	+ 5.1	41.8	− 3.3	52.7	− 3.4	68.6	+ 3.6	76.1	+ 2.0	78.4	+ 0.2	76.5	− 1.3	69.6	− 0.8	60.4	+ 1.5	48.2	+ 2.2	30.0	− 4.6	56.5	+ 0.5
Bolivar	36.7	+ 2.8	40.0	+ 4.8	43.4	− 2.9	53.4	− 2.9	68.0	+ 3.2	77.4	+ 4.6	79 8	+ 2.5	76.6	− 0.3	70.0	+ 0.1	62.0	+ 3.4	48.6	+ 1.8	31.6	− 4.0	57.3	+ 1.1
Boonville	32.6	.....	33.2	.....	36.6	.....	48.9	.....	67.6	.....	75.4	.....	76.5	.....	72.0	.....	66.6	.....	56.2	.....	43.5	.....	26.4	.....	53.0	.....
Carthage	38.6	.....	42.4	.....	46.2	.....	55.6	.....	68.6	.....	76.8	.....	77.6	.....	78.6	.....	70.4	.....	62.0	.....	51.0	.....	33.7	.....	58.5	.....
Clinton	36.0	+ 4.3	37.8	+ 4.2	41.0	− 4.0	52 0	− 4.3	69.4	+ 3.9	77.0	+ 3.2	78.6	+ 0.3	75.6	− 2.0	69.4	− 1.4	59.9	+ 1.0	47.2	+ 0.3	28.3	− 6.4	56.0	− 0.3
Eldon	35.2	+ 4.1	36.0	+ 2.9	40.0	− 3.6	50.4	− 5.0	67.2[a]	+ 3.0	73.2[k]	+ 0.2	76.8[b]	− 0.4	73.4	− 3.0	67.6	− 1.8	59.8	+ 2.4	46.6	+ 1.8	30.4	− 3.9	54.7	− 0.3
Fort Leonard Wood	36.4[b]	.....	38.2	.....	41.2	.....	52.3	.....	68.6	.....	76 4	.....	77.2	.....	75 4	.....	68.4	.....	60.2	.....	45.4	.....	28.2	.....	55.7	.....
Harrisonville	34.2	+ 6.9	35.0	+ 4.3	37.8	− 3.5	49.8	− 4.1	67.5	+ 3.7	74.6	+ 1.5	76.8	− 0.9	74 5	− 1.4	68.7	+ 0.2	59.9[r]	+ 3.8	45 6	+ 3.1	27.0	− 4.3	54.3	+ 0.8
Jefferson City	33.9	+ 4.1	35.0	+ 2.9	39.4	− 4.2	51.2	− 4.8	68.2	+ 3.5	76.4	+ 2.0	78.6	+ 0.5	75.0	− 1.7	68.4	− 0.9	59 6	+ 2.8	47.3	+ 3.2	28.4	− 4.5	55.1	+ 0.3
Joplin	40.1	+ 5.2	42.7	+ 6.9	46.0	− 2.6	56.0	− 2.5	69.9	+ 3 6	78.0	+ 4.6	80.6	+ 2.5	79 6	+ 2 3	72.2	+ 0 1	64.7	+ 4.5	51.0	+ 2.7	33 2	− 6.0	59.5	+ 1.8
Lakeside	35.0	+ 2.0	37.2	+ 3.2	41.0	− 3.6	51.8	− 3.6	68.0	+ 1.9	75.8	+ 0.8	75.8	− 4.7	74 1	− 5.0	67 8	− 3.2	59 1	− 0 7	48 2	+ 3.7	30 0	− 7.3	55.3	− 1.4
Lamar	35.6	+ 3.5	37.5	+ 2.2	40.4	− 5.6	52.0	− 4.6	67.4	+ 1.8	75.0	+ 0.8	77.0	− 1.4	75.6	− 2.1	68.9	− 1.9	60.8	+ 1 9	48 2	+ 1 9	30.0	− 5.2	55.7	− 4.7
Lebanon	37.0	+ 4.5	40.6	+ 6.2	43.8[a]	− 1.2	51.2	− 4.3	66.8	+ 1.9	74.8	+ 2.1	76.4	− 0.5	73 6	− 2.5	66.8	− 2.6	60.8	+ 3.1	47.6	+ 2.0	30.8	− 4.0	55.8	+ 0.3
Lexington	34.7	+ 6.9	35.0	+ 4.0	38.0	− 5.1	49.8	− 4.8	68.8	+ 4.4	75.8	+ 2.9	78.6	+ 1.2	75.6	− 0.6	69 8	+ 1.0	61.2	+ 3.7	46.6	+ 2.4	27.0	− 5.0	55.1	+ 0.9
Lockwood	38.4	+ 5.1	42.0	+ 5 0	45.0	− 2.3	54.8	− 1.7	70.0	+ 5.6	76.8	+ 3.2	79.8	+ 2.2	77.8	+ 0.6	71.2	+ 0.3	63 2	+ 4 5	50.2	+ 3 2	32.9	− 3.2	58.5	+ 1.9
Marshall	36.0[a]	+ 8.1	38.0	+ 7.1	40.6	− 2.4	52.0[b]	− 2.8	68.6[b]	+ 4 4	77.2[a]	+ 4.0	78.1[f]	+ 0.6	77.3[b]	+ 1.3	70.5[d]	+ 1.7	61.5[c]	+ 4.9	48.1[a]	+ 2.9	28.4[t]	− 3 5	56.4	+ 2.2
Mountain Grove	38.0	+ 5.2	41.8	+ 6.7	43.6	− 1.8	54.0	− 0.9	67.3	+ 3.5	75.7	+ 3.9	78.2	+ 1.8	74.7	− 0.8	68.8	− 0.1	61 5	+ 3 9	47.0	+ 1.1	31.4	− 3.3	56 8	+ 1.6
Mount Vernon	38.5[e]	+ 5.2	41.8[a]	+ 7.3	45.0	− 0.9	52.0[a]	− 4.1	67.2	+ 1.4	74.9	+ 1.6	77.7	0.0	75.8	− 0.9	70.0	− 0.5	61.3	+ 2 7	48.6	+ 2.8	31.4	− 4.1	57.0§	+ 0.9
Neosho	39.4	+ 4.3	43.6	+ 6.0	47.2	− 0.9	56 4	− 1.9	68.9	+ 2 9	77.2	+ 3.4	78.1	+ 0.6	78.8	+ 1.7	70.8	+ 0.3	61.9	+ 2.7	51.3	+ 4.0	35.0	− 2.1	59.0	+ 1.7
Nevada	37.7	+ 5.8	41.1	+ 7.2	44.1	− 0.8	55.1	− 0.6	69.7	+ 5.2	77.6	+ 4.1	78.7	− 0.9	78 4	+ 1.3	70.8	+ 1.3	62.2	+ 4.6	50.4	+ 5.6	32.2	− 3.1	58.2	+ 2.5
Ozark Beach	37.2	.....	41.6	.....	45.4	.....	54.9	.....	69.0	.....	76.8	.....	79.2	.....	77.4	.....	70.8	.....	61 0	.....	48.4	.....	32.6	.....	57.9	.....
Sedalia	35.6	+ 9.2	38.2	+ 7.8	41.4	− 1.4	51.6	− 3.7	69.0	+ 3.7	76.6	+ 2.4	77.8	+ 0.3	75.8	− 0.7	70.2	+ 1 0	61 3	+ 3 6	48.6	+ 5.3	29 5	− 4.4	56.3	+ 1.9
Seligman	39.7[b]	+ 4.6	43.6[b]	+ 6.1	45.8[a]	− 0.8	56.0[a]	− 0.6	67.8[b]	+ 3.8	75.0[a]	+ 2.6	77.0	+ 0.3	75 6[b]	− 0.6	69 1	− 0.5	62.6[d]	+ 3.6	49 6	+ 2.3	33 3	− 4.0	57.8	+ 1.2
Seymour 3½ miles NE	36.4	+ 2.4	40.8	+ 5.8	42.8	− 2.6	53.0	− 2.7	66.0	+ 2.3	74.2	+ 2.5	76.1	+ 0.6	74.8	− 0.2	68.0	+ 0.8	59.0	+ 1.6	46.3	+ 0.4	30.8	− 4.6	55.7	+ 0.4
Springfield ½ mile E	36.4	+ 4.3	39.2	+ 5.2	42.8	− 0.8	52.3	− 2.9	66 6	+ 2.9	74.8	+ 3.1	77.0	+ 0.8	74.2	− 0.8	68.2	− 0 2	60 0	+ 2 4	46 4	+ 1 4	29.8	− 5.7	55.6	+ 0.7
Sweet Springs	34.2[a]	.....	36.5	.....	39.6	.....	50.3	.....	67.8	.....	75.4	.....	76.4	.....	73.8	.....	68.1	.....	58.6[a]	.....	48.0	.....	28 2[a]	.....	54.7	.....
Warrensburg	35.5	+ 6.8	38.2	+ 5.7	41.2	− 2.8	52.2[a]	− 3.9	69 8	+ 4.8	77.2	+ 3.3	78.5	− 0.3	76.9[a]	− 0 2	70 6	+ 0 4	61.8	+ 3.8	47 0[a]	+ 2 0	29.6	− 3.8	56.5	+ 1.3
Warsaw	36.0	+ 3.1	40.5	+ 4.9	44.2	− 2.8	53.7	− 3.0	70.0	+ 4.5	78.2	+ 4.4	79.2	+ 0.9	77.0	− 0.6	70.2	− 0.3	61.1	+ 2.1	50.2	+ 3.0	31 2	− 4.5	57.6	+ 1.0
Wasola	38.4	.....	42.4	.....	44.4	.....	54.6	.....	67.0	.....	74.1	.....	77.4	.....	74.6	.....	68.4	.....	61.4	.....	49.0	.....	33.1	.....	57.1	.....
Division means	**36.5**	**+ 4.8**	**39 3**	**+ 5 3**	**42.4**	**− 2.7**	**52.8**	**− 3.2**	**68 1**	**+ 3 2**	**76.0**	**+ 2.7**	**77.8**	**+ 0.2**	**75.8**	**− 0.8**	**69.3**	**− 0 4**	**60.8**	**+ 2.8**	**48.1**	**+ 2.4**	**30.5**	**− 4.5**	**56.4**	**+ 0.8**
Southeastern Division																										
Advance ¼ mile W	36.9	.....	40.7	.....	44.8	.....	55.0	.....	69.2	.....	77.0	.....	77.4	.....	77.5	.....	70.0	.....	58.4	.....	47.2	.....	31.2	.....	57.1	.....
Arcadia	36.2	+ 4.3	38.2	+ 4.1	41.8	− 2.8	52.4	− 2.9	67.7	+ 3 6	76.0	+ 4.2	76.0	+ 0 2	76 5	+ 2.2	68 8	+ 1.2	59.2	+ 3.2	48.4	+ 4.5	31.3	− 3.0	56.0	+ 1.5
Birch Tree ½ mile E	36.7	+ 2.2	39.8[f]	+ 3.5	44.7[a]	− 2.6	54.6	− 2.5	67.2[b]	+ 2.2	74.9	+ 2.2	77.2[j]	+ 0.6	75.8[b]	− 0 3	69 0[a]	− 0.8	60.6[d]	+ 2.2	47.0[a]	+ 0.4	31.2[e]	− 5.2	56.6	+ 0.2
Black 9 mi. NW	34.6	+ 2.0	39.6	+ 5.3	42.8	− 2.2	53.0	− 2.0	67.2	+ 3.2	75.2[d]	+ 3.3	77.1	− 1.0	74.6	+ 0.1	66.4	− 1.4	56.2	+ 0.3	45 6	+ 0.9	29 6	− 5.2	55.0	+ 0.3
Campbell	40.4	+ 2.7	45.4	+ 3.3	48.5	+ 0.5	58.4	− 0.3	71.7	+ 4.4	80.1	+ 4.6	83.9[a]	+ 3.5	77.0[i]	− 0.2	73 6[a]	+ 2.0	63.1[l]	+ 3.0	48.6[b]	+ 1.0	34 2	− 4.2	60.4	+ 1.7
Caruthersville	46.0	+ 0.9	43.8	+ 3.5	48.4	− 3.0	56.8	− 3.4	70.7	+ 0.9	79.0	+ 0.6	78.7	− 2.6	78 4	− 1.9	71.8	− 2.7	60.6	− 1.6	49 2	− 1.2	34 6	− 6.3	59.3	− 1.4
Crystal City	37.8	+ 6.4	41.5	+ 6.3	44.6	− 0.6	56.4	+ 1.4	70.0	+ 4 8	79.0	+ 4.7	77.8	− 1.8	77.8	− 0.4	70.0	+ 1.1	58 8	+ 0.4	48.7	+ 4.8	30.4	− 4.0	57.7	+ 1.9
Doniphan	38.7	+ 2.9	45.2	+ 5.9	48.9	− 0.1	58.2	− 0 3	69.8	+ 3.3	78.7	+ 3.7	78.6	0.0	80.2	+ 2.6	71.7	+ 0.5	60.2	+ 1.7	49.0	+ 1.7	33 2	− 4.6	59.4	+ 1.5
Farmington	37.4	+ 4.8	40.6	+ 3.7	43.7	− 2.8	54.5	− 2.4	68 2	+ 4 5	76.6	+ 3.8	77.5	+ 1.2	77 0	+ 1.6	69.3	− 0.3	59.2	+ 2.3	47.3	+ 2.5	30.6	− 6.1	56.8	+ 1.0
Greenville	38.2	+ 3.2	43 3	+ 7.5	45.8	− 1.9	56.9	+ 0 3	67.9[f]	+ 2.0	76.9[a]	+ 3.3	77.6	+ 0.2	77.8	+ 1.1	70.6	− 0.2	59 4[b]	+ 1.8	48.4	+ 3.0	32.7	− 3.5	58.0	+ 1.4
Jackson	37 6	+ 3.8	43.0	+ 6.5	46.0	− 1.2	56.8	− 0.3	70.5	+ 4.9	79 8	+ 5.7	78.6	+ 1.0	78 7	+ 2.6	71.2	+ 1 1	60 6	+ 2 7	48.7	+ 2.1	32.6	− 4.0	58 7	+ 2.1
Kosciusko	40 7[b]	+ 4.2	45.1[b]	+ 6.0	46.8	− 2.6	57.0	− 1.5	69.0	+ 2.4	77.6[a]	+ 3.2	79.0[b]	+ 0.2	76 6[a]	− 1.3	68.6[g]	− 2.8	63.2[a]	+ 3.6	48 6	− 0.4	34.4	− 4.0	58.9	+ 0.6
Licking 4 miles N	36.1	.....	40.8	.....	43.6	.....	54 3	.....	67.8	.....	76.6	.....	76.7	.....	75.6	.....	68.3	.....	59.1	.....	47 4	.....	31.4	.....	56.5	.....
Malden 4 miles NNW	39.6	.....	44 2	.....	47.3	.....	57 6	.....	72.3	.....	80 9	.....	80.7	.....	80.0	.....	73 2	.....	61.9	.....	49.4	.....	33 0	.....	60 0	.....
Marble Hill	37.4	+ 2 8	43.0	+ 6.4	45.6	− 2.0	56.2	− 1.0	68.7	+ 3.1	76.2	+ 2.2	76.4	− 1.4	77.0	0.0	69.3	− 1.4	58.6	+ 0.4	46.7	+ 1.5	30.9	− 5.8	57.2	+ 0.4
Poplar Bluff	38 8	+ 2 8	44 5	+ 6 4	47.5	− 1.1	57 8	− 1.7	71.6	+ 4.1	81.4	+ 6.0	80.0	+ 0.8	79.2	+ 1.2	71.4	− 0.3	61.0	+ 0.9	48 5	+ 0.8	32.6	− 5.2	59.5	+ 1.2

Continued on next page

Monthly and Annual Mean Temperatures for the Year 1944, with Departures from Normal Continued from preceding page

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Southeastern Div.–Concluded																										
Rolla	36.2	+ 4.3	38.9	+ 2.6	41.4	− 4.1	52.8	− 3.1	68.7	+ 4.2	76.9	+ 3.9	78.7	+ 1.0	76.1	− 0.1	69.2	+ 0.5	60.6	+ 4.1	46.6	+ 1.6	28.3	− 6.3	56.2	+ 0.7
St. Louis																										
City Office	37.7	+ 6.6	38.2	+ 3.4	41.2	− 2.9	53.8	− 2.3	70.6	+ 3.6	78.9	+ 3.9	79.8	+ 1.0	78.2	+ 0.7	70.8	+ 0.3	61.1	+ 2.3	46.8	+ 1.4	29.2	− 5.7	57.2	+ 1.0
St. Louis Airport	36.0	+ 6.2	37.0	+ 3.0	40.4	− 2.6	52.6	− 2.2	70.1	+ 4.3	78.4	+ 4.4	78.4	+ 0.6	77.4	+ 0.7	69.4	+ 0.6	59.4	+ 2.1	46.2	+ 2.3	28.0	− 5.4	56.1	+ 1.2
St. Louis University	37.4	+ 5.4	38.0	+ 3.1	41.2	− 3.0	53.6	− 2.1	70.2	+ 4.5	78.6	+ 3.4	79.7	− 0.8	77.8	0.0	70.7	− 0.2	60.9	+ 2.3	46.9	+ 1.2	29.1	− 6.0	57.0	+ 0.6
Washington University	38.0[b]	.....	37.4	.....	41.2	.....	53.8	.....	69.8	.....	78.6	.....	78.6	.....	77.7	.....	69.8	.....	59.0	.....	46.8	.....	28.0	.....	56.6	.....
Salem	36.8	+ 4.2	40.8	+ 5.0	43.8	− 2.6	51.4	− 4.6	67.9	+ 3.4	75.9	+ 3.5	76.6	− 0.2	76.2	+ 0.3	68 3	− 0.9	59.0	+ 1.4	47.1	+ 1.0	30.6	− 4.8	56.2	+ 0.5
Sikeston	38.2	+ 1.2	42 0	+ 4.8	47.0	− 1.6	56.8	− 1.3	71.4	+ 2.9	78.8	+ 4.5	79.6	+ 1.0	79 1	+ 1.5	71.2	+ 0.1	59.8	+ 0.5	48.9	+ 1.7	31.5	− 6.2	58.7	+ 0.8
Union	38.2	.....	41.3	.....	45.0	.....	56.2	.....	70.0	.....	78.4	.....	77.2	.....	78.7	.....	68.8§	.....	57.4	.....	48.4	.....	30.4	.....	57.5§	.....
Vichy 2 miles NW	36.2	.....	37.6	.....	41.2	.....	51.8	.....	68.4	.....	77.0	.....	79.0	.....	76.4	.....	68.6	.....	60.3	.....	45.8	.....	28.2	.....	55.9	.....
Wappapello Dam	37.6	.....	41.0	.....	45.4	.....	56.2	.....	68.1	.....	78.2	.....	79.8	.....	78.8	.....	71.6	.....	61.2	.....	49.0	.....	31 4	.....	58.2	.....
Weingarten	38.2	.....	40.5	.....	43.8	.....	55.0	.....	69.4	.....	77.0	.....	78.1	.....	77.3	.....	70.8	.....	61.0	.....	47.6	.....	30.2	.....	57.4	.....
West Plains	36.1	.....	40.4	.....	43.8	.....	54.2	.....	68.0	.....	76.2	.....	77.2	.....	76.0	.....	68.8	.....	59.0	.....	45.9	.....	31.0	.....	56.4	.....
Willow Springs 500 ft. E	35.6	.....	39.0	.....	41.5	.....	52.2	.....	66.8	.....	74.4	.....	75.5	.....	74.1	.....	67.5	.....	57.9	.....	45.4	.....	31.6	.....	55.1	.....
Cairo, Ill	39.2	+ 4.3	43.7	+ 5.2	47.5	− 0.2	57.9	− 1.2	72.2	+ 2.8	80.2	+ 2.9	80.2	− 0.4	79.2	+ 0.4	72.4	− 0.1	61.6	+ 1.1	49.6	+ 2.3	33.6	− 4.2	59.8	+ 1.1
Division means	**37.7**	**+ 3.8**	**41.8**	**+ 4.8**	**44.7**	**− 2.0**	**55.2**	**− 1.7**	**69.4**	**+ 3.5**	**77.8**	**+ 3.7**	**78.3**	**+ 0.2**	**77.4**	**+ 0.5**	**70.0**	**− 0.2**	**60.0**	**+ 1.7**	**47.7**	**+ 1.7**	**31.3**	**− 5.0**	**57.6**	**+ 0.9**
State means	**35.7**	**+ 4.9**	**37.9**	**+ 4.7**	**41.4**	**− 2.4**	**52.2**	**− 3.1**	**68.4**	**+ 3.8**	**76.4**	**+ 2 7**	**77.6**	**− 0.5**	**75.9**	**− 0.7**	**69.1**	**− 0.2**	**59.6**	**+ 1.9**	**47.0**	**+ 2.6**	**29.1**	**− 5.1**	**55.9**	**+ 0.8**

Figures and letters following station indicate distance and direction of station from the city Post Office, unless otherwise indicated. Letters of alphabet indicate number of days missing from report: thus [a] one day; [b] two days, etc. Italics data interpolated. § Partly interpolated.

KILLING FROSTS, 1944

Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season	Stations	Last in Spring	First in Autumn	Days in Growing Season
Northern Division															
Albany	May 6*	Oct. 10	157	Oregon	May 6*	Nov. 28*	206	Lamar	May 7*	Nov. 10*	187	Crystal City	May 7	Oct. 17	163
Amity	do 6*	do 10	157	Palmyra	.....	do 24	....	Lebanon	do 6	Oct. 10*	157	Doniphan	do 7*	do 17	163
Bethany	do 6*	do 12	159	St. Charles	April 6*	do 24*	232	Lexington	do 5*	Nov. 23	202	Farmington	do 7	Nov. 24	201
Brookfield	do 6*	Nov. 22*	200	St. Joseph	do 5	do 21	230	Lockwood	April 5*	do 22	231	Greenville	do 7*	Oct. 17	163
Brunswick	April 7*	do 24	231	Saverton	do 13*	do 24	227	Marshall	do 4*	do 22*	232	Jackson	do 7*	Nov. 24	201
Canton	May 6	Oct. 12*	159	Shelbina	May 6	Oct. 10	157	Mountain Grove	May 6*	Oct. 10	157	Koshkonong	April 5*	do 28	237
Chillicothe	do 6*	Nov. 16*	194	Steffenville	April 17*	Nov. 24	221	Mount Vernon	do 7*	Nov. 16*	193	Licking	May 7*	Oct. 10*	156
Clifton Hill	do 6*	do 27	205	Tarkio	.....	Oct. 10	....	Neosho	do 6	Oct. 12	159	Malden	April 6	Nov. 24	232
Columbia	April 5	Oct. 12	190	Trenton	May 5*	do 12*	160	Nevada	do 6*	Nov. 10*	188	Marble Hill	May 7*	Oct. 10*	156
Conception	May 6*	do 10	157	Unionville	do 6*	do 10*	157	Ozark Beach	April 7*	do 22*	229	Morehouse	.....	do 22	....
Edgerton	do 9*	.....	....	Vandalia	.....	do 10*	....	Pleasant Hill	May 6	Oct. 10	157	Poplar Bluff	May 7*	do 28	174
Elsberry	do 7*	Oct. 13*	159	Warrenton	May 6*	do 12	159	Sedalia	do 6*	do 12*	159	Rolla	do 6*	Nov. 24	202
Fayette	April 12*	Nov. 22	224	Keokuk, Iowa	April 5	Nov. 24	233	Seligman	April 4*	Nov. 16*	226	**St. Louis:**			
Fulton	May 6*	do 24	202	*Southwestern Division*				Seymour	May 7*	Oct. 10*	156	City Office	April 5	Nov. 30	239
Grant City	do 6*	do 27	205					Springfield	do 6	Nov. 22	200	St. Louis Airport	do 5*	do 24*	230
Hannibal	do 6*	do 24	202	Anderson	April 5	Nov. 10	219	Sweet Springs	do 6*	Oct. 9*	156	St. Louis Univ.	do 5*	do 28	237
KansasCity Airport	do 6	do 22	200	Appleton City	May 6*	do 10	188	Topaz	April 6	Nov. 23	231	Washington U.	do 6*	do 24*	232
Kansas City Univ.	May 7*	do 22*	199	Bolivar	do 6	do 22	200	Warrensburg	May 6*	do 21	199	Salem	May 6	Oct. 10*	157
Kidder	do 6*	do 22	200	Boonville	April 6*	do 22*	230	Warsaw	April 6*	Oct. 12*	189	Sikeston	April 6*	Nov. 24*	232
Kirksville	April 17	do 22	219	Carthage	May 6*	do 10*	188	Wasola	May 6*	Nov. 22*	200	Union	May 7*	Oct. 12*	158
Lawson	May 5	Oct. 9	157	Clinton	do 6	Oct. 10	157	*Southeastern Division*				Vichy	do 6*	Nov. 19*	197
Linneus	.....	do 10	....	Concordia	April 5	Nov. 28	237					Wappapello Dam	April 6*	do 24	232
Louisiana	May 7*	do 12*	158	Crocker	May 6	do 27	205	Advance	May 7	Oct. 13	159	Weingarten	May 7	do 23	200
Macon	do 6*	Nov. 23	201	Eldon	do 6*	do 28	206	Arcadia	do 8*	do 10	155	West Plains	do 7*	do 24	201
Maryville	April 12	Oct. 10	181	Ft. Leonard Wood	do 6*	do 22*	200	Birch Tree	do 5	do 13	161	Willow Springs	do 7*	Oct. 10*	156
Memphis	May 6*	do 12*	159	Harrisonville	do 6*	do 21	199	Black	do 7	do 10	156	Cairo, Ill.	April 5	Nov. 24	233
Mexico	do 6*	Nov 24	202	Jefferson City	April 7*	do 24	231	Campbell	April 6*	do 28	205	.....	.....	.....	....
Moberly	do 6*	do 5*	183	Joplin	do 5*	do 22*	231	Caruthersville	do 6	Nov. 24*	232	.....	.....	.....	....
New Florence	do 6*	do 5	183	Lakeside	do 7*	do 24*	231	Crane Mountain	May 6	Oct. 9	156	.....	.....	.....	....

* Occurrence of killing frost not recorded; dates given are last in spring and first in autumn of temperature 32° or lower.

WBO, St. Louis, 5-9-45—1300.

(Continued from page 79)

The prevailing weather conditions during the growing season were generally favorable for unusually good crop development and maturity in most areas of the State, and for the third consecutive year the country has been at war, above-average yields of most crops were produced and harvested. An unusually late occurrence of general killing frost, or freezing temperatures, in the fall, was an important factor in this high crop production, permitting many crops that could not be planted on time, because of cool wet weather and flood conditions, to reach full maturity.—M. R. W.

TEMPERATURE

The annual mean temperature for the State was 55.9°, or 0.8° warmer than the 57-year normal. The highest annual mean was 60.4° at Campbell, and the lowest annual mean was 50.6° at Maryville. The highest temperature recorded was 107° at Poplar Bluff on June 17th, 27th, and 28th, and at Union on August 15th, and the lowest was 21° below zero at Grant City on February 12th.

PRECIPITATION

The average annual precipitation for the State was 38.99 inches, or 1.22 inches less than the 57-year average. The greatest annual amount was 60.00 inches at Amity, and the least annual amount was 26.13 inches, at Tecumseh. The greatest local monthly amount was 14.56 inches at Amity in August, and the least local monthly amount was 0.02 inch at Cape Girardeau in October. The greatest amount in 24 hours was 7.78 inches at St. Louis University on April 22-23d. The average number of days with 0.01 inch or more was 101, or 12 more than normal.

The average annual snowfall for the State was 16.8 inches, or 1.1 inches less than the 51-year average. The greatest annual snowfall was 33.8 inches at Kirksville, and the least annual amount was 4.0 inches at Deering. The greatest monthly snowfall was 17.0 inches at Chillicothe, in February.

ERRATA

January 1944, page 2: Number of days 0.01 inch or more precipitation at Springfield should be 5. Total precipitation and departure at Columbia should be 0.62 and −1.30, respectively. Page 4: Precipitation on 27th at Columbia should be .26; total should be 0.62.

February 1944, page 8: Number of days clear and cloudy at Springfield should be 5 and 16, respectively.

November 1944, page 68: Number of days partly cloudy and cloudy at Springfield should be 7 and 19, respectively. Page 69: Partly cloudy days at Vichy should be 10.

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